



MAXOME™
LABSCIENCES

MAXOME INSTRUMENT

CATALOGUE - 2026-2027



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Mini Centrifuge

- Designed for rapid and efficient separation of samples based on density under controlled centrifugal force.
- Available in fixed-speed and variable-speed configurations with digital RPM/time display.
- Supports multiple rotor options for microtubes, PCR tubes, blood tubes, and microplates.
- Smooth, low-noise operation with dynamic motor balancing for sample safety.
- Safety features include lid-lock system, imbalance protection, and emergency stop.
- Suitable for clinical diagnostics, molecular biology, research, and routine laboratory workflows.



Model	ML-MINI-4K	ML-MINI-10K	ML-MINI-6K	ML-MINI-7K	ML-MINI-15K
Max Speed	4000r/min	10000 rpm	160x150x125	160x150x125	
Max RCF	900×g	5000×g	8×1.5/2.0/0.5/0.2ml	8×1.5/2.0/0.5/0.2ml	
Max Capacity	0.2ml×2×8 1.5ml/0.5ml/ 0.2ml×6	0.2ml×2×8 1.5ml/0.5ml/ 0.2ml×6	6000rpm	7000rpm	
Noise	<48dB(A)	<48dB(A)	0.5A 250V	0.5A 250V	
Power Supply	110V/60Hz; 220V/50Hz	110V/60Hz; 220V/50Hz	50W	50W	
Size(WxDxH) (mm)	189×161×122	189×161×122	2000xg	2000xg	
Packing Size (WxDxH) (mm)	330×250×210	330×250×210	AC100-240V, 50/60Hz	AC100-240V, 50/60Hz	
N.W./G.W. (kg)	1/1.5	1/1.5	4×8×0.2 ml	4×8×0.2 ml	
			270x230x200	270x230x200	
			0.9/1.46	0.9/1.46	

Bench top low-speed

The Bench Top Low-Speed Centrifuge is suitable for routine separation tasks such as blood components, urine samples, and cell suspensions. It supports multiple tube sizes and offers precise speed control for gentle sample handling. Widely used in clinical, pathological, and academic laboratories, it provides reliable performance, safety locking features, and stable operation.



Model	ML-LSP-45	ML-LSP-40	ML-LSP-50	ML-LSP-60
Max Speed	4500rpm/m	4000rpm/m	5000rpm/m	6000rpm/m
Max RCF	4390×g	4390×g	4390×g	4390×g
Max Capacity	4×500mL	4×500mL	4×500mL	4×500mL
Motor	AC frequency conversion motor	AC frequency conversion motor	AC frequency conversion motor	AC frequency conversion motor
Speed Accuracy	±30r/min	±30r/min	±30r/min	±30r/min
Time Range	Time of centrifuge 1min99 min59sec	Time of centrifuge 1min99 min59sec	Time of centrifuge 1min99 min59sec	Time of centrifuge 1min99 min59sec
	Continuous centrifuge : Hold	Continuous centrifuge : Hold	Continuous centrifuge : Hold	Continuous centrifuge : Hold
Power Supply	AC220±22V 50/60Hz 10A	AC220±22V 50/60Hz 10A	AC220±22V 50/60Hz 10A	AC220±22V 50/60Hz 10A
Noise	<65dB(A)	<65dB(A)	<65dB(A)	<65dB(A)
External Size (W×D×H)	458×620×380mm	458×620×380mm	458×620×380mm	458×620×380mm
Shipping Size	550×800×570mm	550×800×570mm	550×800×570mm	550×800×570mm
N.W./G.W	55kg/72kg	55kg/72kg	55kg/72kg	55kg/72kg

Bench Top Refrigerated Centrifuge

- Designed for rapid and efficient separation of samples based on density under controlled centrifugal force.
- Available in fixed-speed and variable-speed configurations with digital RPM/time display.
- Supports multiple rotor options for microtubes, PCR tubes, blood tubes, and microplates.
- Smooth, low-noise operation with dynamic motor balancing for sample safety.
- Safety features include lid-lock system, imbalance protection, and emergency stop.
- Suitable for clinical diagnostics, molecular biology, research, and routine laboratory workflows.



Model	ML-RC-18	ML-RC-20	ML-RC-22
Max. Speed	18000r/min	20000r/min	22000r/min
Max. RCF	31600×g	31600×g	31600×g
Max.Capacity	500mL×4	500mL×4	500mL×4
Speed Accuracy	±20r/min	±20r/min	±20r/min
Time Setting	09h59min59s	09h59min59s	09h59min59s
Temperature Control Range	-2040	-2040	-2040
Temperature Control Accuracy	±1	±1	±1
Compressor	Imported high-performance compressor unit, fluorine-free refrigerant	Imported high-performance compressor unit, fluorine-free refrigerant	Imported high-performance compressor unit, fluorine-free refrigerant
Electricity	AC 220V 50Hz 15A	AC 220V 50Hz 15A	AC 220V 50Hz 15A
Sizes(W×D×H)(mm)	743x720x410	743x720x410	743x720x410
Packaging Weight (W×D×H)(mm)	825x810x570	825x810x570	825x810x570
N.W./G.W. (kg)	110/130	110/130	110/130

Bench Top High-Speed Centrifuge

- Designed for rapid and efficient separation of samples based on density under controlled centrifugal force.
- Available in fixed-speed and variable-speed configurations with digital RPM/time display.
- Supports multiple rotor options for microtubes, PCR tubes, blood tubes, and microplates.
- Smooth, low-noise operation with dynamic motor balancing for sample safety.
- Safety features include lid-lock system, imbalance protection, and emergency stop.
- Suitable for clinical diagnostics, molecular biology, research, and routine laboratory workflows.



MODEL	ML-HSC-15K	ML-HSC-18K	ML-HSC-20K	ML-HSC-22K
Max Speed	16500r/min	16500r/min	16500r/min	16500r/min
Max relative centrifugal force	21380×g	21380×g	21380×g	21380×g
Max capacity	4×100mL	4×100mL	4×100mL	4×100mL
Motor	AC variable frequency motor	AC variable frequency motor	AC variable frequency motor	AC variable frequency motor
Speed deviation	±30r/min	±30r/min	±30r/min	±30r/min
Timing range	1min99 min59sec	1min99 min59sec	1min99 min59sec	1min99 min59sec
Power single-phase three-wire system	AC220±22V 50/60Hz 16A	AC220±22V 50/60Hz 16A	AC220±22V 50/60Hz 16A	AC220±22V 50/60Hz 16A
Noise	< 61dB(A)	< 61dB(A)	< 61dB(A)	< 61dB(A)
Centrifuge Size (L×D×H)(mm)	350×495×345	350×495×345	350×495×345	350×495×345
Weight	35kg	35kg	35kg	35kg

Floor Model Centrifuge

- Designed for rapid and efficient separation of samples based on density under controlled centrifugal force.
- Available in fixed-speed and variable-speed configurations with digital RPM/time display.
- Supports multiple rotor options for microtubes, PCR tubes, blood tubes, and microplates.
- Smooth, low-noise operation with dynamic motor balancing for sample safety.
- Safety features include lid-lock system, imbalance protection, and emergency stop.
- Suitable for clinical diagnostics, molecular biology, research, and routine laboratory workflows.



Model	ML-FMC-6K	ML-FMC-5K	ML-FMC-4K
Max. speed	23,000 rpm	24,000 rpm	24,000 rpm
Max. RCF	36,795×g	40,217×g	40,217×g
Max. Capacity	300 mL×4	750 mL×4	750 mL×4
Speed Accuracy	±20 rpm		
Timer	1 s-99 min, continuous operation, one touch short spin operation		
Noise	60 dB		
Temperature range	-20-40		
Power	220V 50Hz		
N.W./G.W. (kg)	95/120	150/170	150/170
Sizes (W×D×H) (mm)	620x648x525	600x720x890	600x720x890
Shipping Size (WxDxH) (mm)	820x740x685	830x700x1080	830x700x1080

Micro plate Centrifuge



- Designed for rapid and efficient separation of samples based on density under controlled centrifugal force.
- Available in fixed-speed and variable-speed configurations with digital RPM/time display.
- Supports multiple rotor options for microtubes, PCR tubes, blood tubes, and microplates.
- Smooth, low-noise operation with dynamic motor balancing for sample safety.
- Safety features include lid-lock system, imbalance protection, and emergency stop.
- Suitable for clinical diagnostics, molecular biology, research, and routine laboratory workflows.

Model	ML-MPC-2500
Rotating Speed	0-3000 rpm
Max. RCF	500 ×g
Time Range	0-99 h 59 min
Capacity	2 PCR plates
Power	45 W
Operation Mode	Touch screen full touch input
Display	LCD touch screen display
Power Supply	AC220 V, 50/60 Hz
Fuse	1A
External Size (WxDxH)(mm)	200x200x180
Shipping Size (WxDxH)(mm)	330x300x300
N.W/G.W	4.7kg/5.1kg

Magnetic Stirrer

- Provides uniform and consistent stirring for liquid solutions using PTFE-coated stir bars.
 - Digital speed control ensures precise mixing for sensitive laboratory applications.
 - Hot plate variants enable simultaneous heating and stirring with accurate temperature regulation.
 - Chemical-resistant ceramic or stainless-steel top surface for durability.
 - Compact footprint suitable for benchtop laboratories.
- Ideal for chemical synthesis, sample preparation, and reagent dissolution.



Model	ML-MS-25	ML-MS-25D	ML-MS-04	ML-MS-08	ML-MS-12
Max. stirring quantity (L)	2no	2no	2no	2no	2no
Speed range	0-2400rpm	0-2400rpm	0-2400rpm	0-2400rpm	0-2400rpm
Work panel size (mm)	136	136	136	136	136
Type	Basic type	Basic type	Basic type	Basic type	Basic type
Motor type	DC motor	DC motor	DC motor	DC motor	DC motor
Power supply	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Speed control mode	Stepless	Stepless	Stepless	Stepless	Stepless
Available stirrer size (mm)	20-30	20-30	20-30	20-30	20-30
Work panel material	ABS	ABS	ABS	ABS	ABS
Shell material	ABS	ABS	ABS	ABS	ABS
Allowable ambient temperature and humidity	5~40°C, 80%RH	5~40°C, 80%RH	5~40°C, 80%RH	5~40°C, 80%RH	5~40°C, 80%RH
Input/output power	6W/3W	6W/3W	6W/3W	6W/3W	6W/3W
Size(W×D×H)(mm)	178x164x62	178x164x62	178x164x62	178x164x62	178x164x62
Shipping size (W×D×H) (mm)	280x212x82	280x212x82	280x212x82	280x212x82	280x212x82
N.W./G.W. (kg)	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0

Digital Magnetic Stirrer with Hot Plate

- Provides uniform and consistent stirring for liquid solutions using PTFE-coated stir bars.
 - Digital speed control ensures precise mixing for sensitive laboratory applications.
 - Hot plate variants enable simultaneous heating and stirring with accurate temperature regulation.
 - Chemical-resistant ceramic or stainless-steel top surface for durability.
 - Compact footprint suitable for benchtop laboratories.
- Ideal for chemical synthesis, sample preparation, and reagent dissolution.



Model	ML-MSHP-01	ML-MSHP-04	ML-MSHP-08
Work Plate Size	135mm (5 inch)	135mm (5 inch)	135mm (5 inch)
Work Plate Material	Stainless steel cover with ceramic	Stainless steel cover with ceramic	Stainless steel cover with ceramic
Motor Type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring Positions	1	1	1
Max. Stirring Quantity (H ₂ O)	20L	20L	20L
Max. Magnetic Bar (Length)	80mm	80mm	80mm
Speed Range	0-1500rpm	0-1500rpm	0-1500rpm
	Resolution ± 1 rpm	Resolution ± 1 rpm	Resolution ± 1 rpm
Speed Display	Scale	Scale	Scale
Temperature Display	Scale	Scale	Scale
Heating Temperature Range	Room temp.-340°C	Room temp.-340°C	Room temp.-340°C
Temperature Control Accuracy	—	—	—
Over Temperature Protection	420°C	420°C	420°C
Temperature Display Accuracy	$\pm 0.5^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
External Temperature Sensor	—	—	—
Hot Warning	—	—	—
Timer Function	—	—	—
Data Connector	—	—	—
Protection Class	IP42	IP42	IP42
Motor Rating Input	18W	18W	18W
Motor Rating Output	10W	10W	10W
Power	530W	530W	530W
Heating Output	500W	500W	500W
Permissible Ambient	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Temperature and Humidity	Temperature and Humidity	Temperature and Humidity	Temperature and Humidity
Power Supply	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz
Size(W×D×H)(mm)	160×280×85	160×280×85	160×280×85
Shipping Size(W×D×H)(mm)	470×250×240	470×250×240	470×250×240
N.W./G.W. (kg)	2.8/3.5	2.8/3.5	2.8/3.5

Digital Overhead Stirrer

- Designed for high-viscosity mixing and solid-liquid homogenization.
- Wide speed range with digital control for reproducible results.
- High-torque motor ensures stable operation under load.
- Compatible with various shafts, impellers, and homogenizing probes.
- Robust construction for continuous laboratory use.
- Used in pharmaceutical, biotechnology, food, and chemical laboratories.



Model	ML-MOS-20	ML-MOS-40
Max. Stirring Quantity (H₂O)	20L	40L
Speed Range	50~2200rpm	50~2200rpm
Max. Torque	40N·cm	60N·cm
Max. Viscosity	10000mPa·s	50000mPa·s
Motor Type	Brushless DC motor	
Speed Display	LED	
Overload Protection Display	LED	
Chuck Range Diameter	0.5~10mm	0.5~10mm
Motor Input Power	60W	120W
Motor Output Power	50W	100W
Power	70W	130W
Protection Class	IP21	
Permissible Ambient	5~40°C, 80%RH	
Temperature and Humidity		
Power Supply	100~240V, 50/60 Hz	
Size(W×D×H)(mm)	220x83x186	
Shipping Size(W×D×H)(mm)	470x310x430	
N.W./G.W. (kg)	2.8/5	2.8/5.5

Hand-Held Homogenizer

- Designed for high-viscosity mixing and solid-liquid homogenization.
- Wide speed range with digital control for reproducible results.
- High-torque motor ensures stable operation under load.
- Compatible with various shafts, impellers, and homogenizing probes.
- Robust construction for continuous laboratory use.
- Used in pharmaceutical, biotechnology, food, and chemical laboratories.



Model	ML-THH-13K	ML-THH-30K
Speed	10000~30000rpm	10000~30000rpm
Rotor Speed Range	22.736m/s	22.736m/s
Speed Level	6 levels	6 levels
Sample Processing Volume Range	1040000mL	1040000mL
Maximum Viscosity	10000mPas	10000mPas
Dispersion Head	Optional	Optional
Contact Material	316L Stainless steel/PTFE	316L Stainless steel/PTFE
Sound Pressure Level	79dB(A)	79dB(A)
Protection	IP20	IP20
Power	500W	500W
Motor	AC carbon brush motor	AC carbon brush motor
Size (W×D×H)(mm)	340×300×600	340×300×600
N.W/G.W(KG)	1.7/8.5	1.7/8.5
Shipping Size (W×D×H)(mm)	630×310×230	630×310×230

Vortex Mixer

- Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
 - Adjustable speed and multiple operating modes (continuous/touch).
 - Anti-slip base and vibration-dampening design for stable operation.
 - Suitable for orbital, linear, rocking, 3D, and rolling motions.
 - Supports microtubes, culture plates, and bottles.
- Widely used in microbiology, molecular biology, and clinical labs.



Model	ML-MIX-28	ML-MIX-28+	ML-MIX-40+
Voltage	100~240V/2.5A, 50~60	100~240V/2.5A, 50~60	100~240V/2.5A, 50~60
Input power	60w	60w	60w
Oscillation mode	Circular oscillation	Circular oscillation	Circular oscillation
Operation mode	Jogging (light sensing)/continuous	Jogging (light sensing)/continuous	Jogging (light sensing)/continuous
Rotating diameter	4mm	4mm	4mm
Motor type	DC Motor	DC Motor	DC Motor
Speed range	0~3000rpm	0~3000rpm	0~3000rpm
Speed control mode	Knob	Knob	Knob
Motor power	15.7w	15.7w	15.7w
Allowable ambient temperature	5~40	5~40	5~40
Allowable relative humidity	80%RH	80%RH	80%RH
Size (W×D×H)(mm)	165×130×140	165×130×140	165×130×140
Shipping size (W×D×H)(mm)	250×220×190	250×220×190	250×220×190
N.W/G.W. (kg)	3.0/3.5	3.0/3.5	3.0/3.5

Microplate Shaker



- Provides uniform shaking of microplates for assays and reactions. Widely used in ELISA, diagnostic, and research laboratories. Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
 - Adjustable speed and multiple operating modes (continuous/touch).
 - Anti-slip base and vibration-dampening design for stable operation.
 - Suitable for orbital, linear, rocking, 3D, and rolling motions.
 - Supports microtubes, culture plates, and bottles.
- Widely used in microbiology, molecular biology, and clinical labs.

Model	ML-MPS-1500
Sample Capacity	4 microwell plate or culture Plate
Frequency and Velocity	200~1500rpm
Range of Oscillation	
Speed Accuracy	±5%
Amplitude and Parameters of Oscillation	2mm horizontal rotation
Time setting	1~99h59min
Maximum Permissible	80%
Humidity	
Power(W)	80
Power Supply	100~240V, 50/60Hz
Sizes(W×D×H)(mm)	350×320×130
Shipping Size (W×D×H)(mm)	410×380×250
N.W./G.W. (kg)	5/5.5

Orbital Shaker

- Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
 - Adjustable speed and multiple operating modes (continuous/touch).
 - Anti-slip base and vibration-dampening design for stable operation.
 - Suitable for orbital, linear, rocking, 3D, and rolling motions.
 - Supports microtubes, culture plates, and bottles.
- Widely used in microbiology, molecular biology, and clinical labs. Used for gentle and uniform mixing of flasks and containers in an orbital motion. Suitable for cell culture, microbiology, and chemical applications.



Model	ML-OS-300	ML-OS-250
Orbital Diameter	10mm	10mm
Max. Load Capacity (With Platform)	7.5kg	7.5kg
Motor Type	Brushless DC motor	Brushless DC motor
Motor Input Power	28W	28W
Motor Output Power	15W	15W
Speed Range	100-500rpm	100-500rpm
Speed Display	LCD	LCD
Timer Display	LCD	LCD
Time Settings Range	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	30W	30W
Permissible Ambient Temperature and Humidity	5-40, 80%RH	5-40, 80%RH
Protection Class	IP21	IP21
Data Connector	RS232	RS232
Sizes(W×D×H)(mm)	530×480×170	530×480×170
Shipping Size (W×D×H)(mm)	600×500×230	600×500×230
N.W./G.W. (kg)	13.5/14.5	13.5/14.5

Microplate Thermo Shaker

- Combines shaking and precise temperature control for microplate-based assays. Ideal for molecular biology and biochemical applications. Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
 - Adjustable speed and multiple operating modes (continuous/touch).
 - Anti-slip base and vibration-dampening design for stable operation.
 - Suitable for orbital, linear, rocking, 3D, and rolling motions.
 - Supports microtubes, culture plates, and bottles.
- Widely used in microbiology, molecular biology, and clinical labs.



Model	ML-ST-70-2	ML-ST-70-4
Orbital Diameter	10mm	10mm
Max. Load Capacity (With Platform)	7.5kg	7.5kg
Motor Type	Brushless DC motor	Brushless DC motor
Motor Input Power	28W	28W
Motor Output Power	15W	15W
Speed Range	100-500rpm	100-500rpm
Speed Display	LCD	LCD
Timer Display	LCD	LCD
Time Settings Range	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	30W	30W
Permissible Ambient Temperature and Humidity	5-40, 80%RH	5-40, 80%RH
Protection Class	IP21	IP21
Data Connector	RS232	RS232
Sizes(W×D×H)(mm)	530×480×170	530×480×170
Shipping Size (W×D×H)(mm)	600×500×230	600×500×230
N.W./G.W. (kg)	13.5/14.5	13.5/14.5

Rocking Shaker

- Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
 - Adjustable speed and multiple operating modes (continuous/touch).
 - Anti-slip base and vibration-dampening design for stable operation.
 - Suitable for orbital, linear, rocking, 3D, and rolling motions.
 - Supports microtubes, culture plates, and bottles.
- Widely used in microbiology, molecular biology, and clinical labs..



Model	ML-RS-80
Tilt Angle	9°
Max. Load Capacity (With Platform)	10kg
Motor Type	DC motor
Motor Input Power	40W
Motor Output Power	24W
Speed Range	10-70rpm
Speed Display	LCD
Timer Display	LCD
Time Settings Range	1min-19h59min
Voltage	100-240V, 50/60Hz
Power	50W
Permissible Ambient Temperature and Humidity	5-40°C, 80%RH
Protection Class	IP21
Sizes(W×D×H)(mm)	520×470×330
Shipping Size (W×D×H)(mm)	540×490×350
N.W./G.W. (kg)	14/16

Linear Shaker

Provides linear shaking motion for uniform mixing of samples. Suitable for gel staining, blotting, and general laboratory use.

- Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
 - Adjustable speed and multiple operating modes (continuous/touch).
 - Anti-slip base and vibration-dampening design for stable operation.
 - Suitable for orbital, linear, rocking, 3D, and rolling motions.
 - Supports microtubes, culture plates, and bottles.
- Widely used in microbiology, molecular biology, and clinical labs.



Model	ML-LRS-200	ML-LRS-180
Amplitude	10mm	4mm
Max. Load Capacity	7.5kg	2.5kg
(With Platform)		
Motor Type	Brushless DC motor	Brushless DC motor
Motor Input Power	28W	28W
Motor Output Power	15W	15W
Speed Range	100-350rpm	100-350rpm
Speed Display	LCD	LCD
Timer Display	LCD	LCD
Time Settings Range	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	30W	30W
Permissible Ambient	5-40, 80%RH	5-40, 80%RH
Temperature and Humidity		
Protection Class	IP21	IP21
Data Connector	RS232	RS232
Sizes(W×D×H)(mm)	530×480×170	450×415×150
Shipping Size (W×D×H)(mm)	600×500×230	450×450×320
N.W./G.W. (kg)	13/15	

3D Shaker

Offers three-dimensional motion for thorough and gentle sample mixing. Ideal for gel staining, cell culture, and incubation applications.

- Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
- Adjustable speed and multiple operating modes (continuous/touch).
- Anti-slip base and vibration-dampening design for stable operation.
- Suitable for orbital, linear, rocking, 3D, and rolling motions.
- Supports microtubes, culture plates, and bottles.

Widely used in microbiology, molecular biology, and clinical labs.



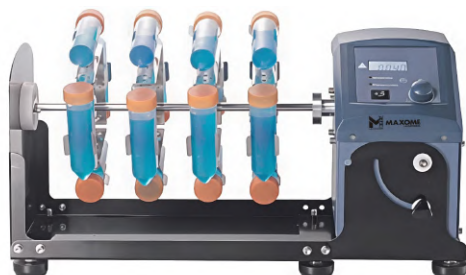
Model	ML-RH-18	ML-RH-18+	ML-YC-80
Tilt Angle	9°	9°	9°
Max. Load Capacity (With Platform)	5kg	5kg	5kg
Motor Type	DC motor	DC motor	DC motor
Motor Input Power	40W	40W	40W
Motor Output Power	24W	24W	24W
Speed Range	10-70rpm	10-70rpm	10-70rpm
Speed Display	LCD	LCD	LCD
Timer Display	LCD	LCD	LCD
Time Settings Range	1min-19h59min	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	50W	50W
Permissible Ambient Temperature and Humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Protection Class	IP21	IP21	IP21
Sizes(W×D×H)(mm)	530×470×360	530×470×360	530×470×360
Shipping Size (W×D×H)(mm)	550×490×380	550×490×380	550×490×380
N.W./G.W. (kg)	15.66/17.5	15.66/17.5	15.66/17.5

Digital Roller Mixer

Offers three-dimensional motion for thorough and gentle sample mixing. Ideal for gel staining, cell culture, and incubation applications.

- Enables rapid and uniform mixing of samples in tubes, flasks, or plates.
- Adjustable speed and multiple operating modes (continuous/touch).
- Anti-slip base and vibration-dampening design for stable operation.
- Suitable for orbital, linear, rocking, 3D, and rolling motions.
- Supports microtubes, culture plates, and bottles.

Widely used in microbiology, molecular biology, and clinical labs.



Model	ML-RM-80
Speed Range	20~99rpm
Operation Mode	Rolling & Swinging
Timing Range	1min~99h59min/
Forwards/Reverse Motion	Yes
Timer for Forwards/Reverse	30sec~99min59sec
Amplitude	25mm
Roller Quantity	6
Roller Length	280mm
Max. load	4kg
Power	15W
Voltage	AC100~240V, 50/60Hz
Size(W×D×H)(mm)	480x250x100
Shipping Size(W×D×H)(mm)	580x370x210
N.W./G.W. (kg)	3.8/4.7

Visible Spectrophotometer

· Accurate optical measurement for qualitative and quantitative analysis.

- Wide wavelength range suitable for diverse analytical applications.
- Digital display with data storage and PC connectivity options.
- High photometric accuracy and stability with low stray light.
- User-friendly software for data processing and reporting.
- Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.

Used for measuring absorbance in the visible wavelength range.

Commonly applied in chemical analysis, water testing, and educational laboratories.



Model	ML-VS-E
Optical System	Single beam, Achromatic 1200 lines/mm grating
Wavelength Range	350-1020nm
Spectral Bandwidth	6nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	1nm
Photometric Accuracy	±1%T
Photometric Repeatability	±0.3
Photometric Range	0-200%T, -3-3A, 0-9999C
Photometric Mode	T,A,C
Stray Light	0.3T, at 360nm
Stability	±0.004A/h@500nm
Display	LCD Display
Sample Rack	Standard 1cm
Detector	Photodiode
Output	/
Light Source	Tungsten lamp
Power Supply	AC 220/110V, 50/60Hz
External Size (WxDxH)(mm)	420x350x185
Shipping Size (WxDxH)(mm)	520x450x300
N.W./G.W. (kg)	8-Jun

Single Beam UV-Vis Spectrophotometer

- Accurate optical measurement for qualitative and quantitative analysis.
 - Wide wavelength range suitable for diverse analytical applications.
 - Digital display with data storage and PC connectivity options.
 - High photometric accuracy and stability with low stray light.
 - User-friendly software for data processing and reporting.
 - Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.
- Used for measuring absorbance in the visible wavelength range. Commonly applied in chemical analysis, water testing, and educational laboratories.



Model	ML-UVS-SB-01	ML-UVS-SB-02
Optical System	Single beam, Grating 1200 lines/mm	Single beam, Grating 1200 lines/mm
Wavelength Range	190-1000nm	190-1000nm
Bandwidth	2nm	2nm
Wavelength Accuracy	±2nm	±2nm
Wavelength Repeatability	0.5nm	0.5nm
Wavelength Setting	Auto	Auto
Photometric Accuracy	±0.5%T	±0.5%T
Photometric Repeatability	0.2%T	0.2%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C	-0.3-3A, 0-200%T, 0-9999C
Photometric Mode	T, A, C, F	T, A, C, F
Stray Light	0.1%T	0.1%T
Stability	± 0.002A/h @ 500nm	± 0.002A/h @ 500nm
Display	128x64 LCD	128x64 LCD
Detector	Silicon Photodiode	Silicon Photodiode
Light Source	Tungsten Lamp & Deuterium Lamp	Tungsten Lamp & Deuterium Lamp
Output	USB & Parallel Port(Printer)	USB & Parallel Port(Printer)
Power Requirements	AC 85-250V	AC 85-250V
Size(W×D×H)(mm)	420x280x180	420x280x180
Shipping Size(W×D×H)(mm)	600x460x330	600x460x330
N.W./G.W. (kg)	15-Dec	15-Dec

Double Beam UV-Vis Spectrophotometer

Provides higher accuracy by simultaneously measuring sample and reference. Widely used in pharmaceutical, biochemical, and analytical laboratories.

- Accurate optical measurement for qualitative and quantitative analysis.
- Wide wavelength range suitable for diverse analytical applications.
- Digital display with data storage and PC connectivity options.
- High photometric accuracy and stability with low stray light.
- User-friendly software for data processing and reporting.
- Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.



Model	ML-UVS-DB-01	ML-UVS-DB-08
Photometry	Double beam	
Monochromator Type	Czerny-Turner	
Focal Length	200mm	
Grating	1600 lines/mm	
Detector	Silicon photocell	
Spectrum Bandwidth	2nm or 1nm	0.5nm, 1nm, 2nm, 4nm, 5nm
Wavelength Setting	8-inch color touch-screen	
Wavelength Range	190-1100nm	
Wavelength Accuracy	±0.3nm	
Wavelength Repeatability	0.1nm	
Scanning Speed	Fast-Medium-Slow	
Stray Light	0.02%T (at 220nm NaI, 360nm NaNo ₂)	
Photometric Range	0.0-200.0%T	
	-0.301-4.000A	
	0.000-9999C	
	±0.3%T	
Photometric Accuracy	±0.002Abs (0-0.5A)	
	±0.004 Abs (0.5-1A)	
Photometric Repeatability	0.15%T	
	0.001 Abs (0-0.5A)	
	0.002 Abs (0.5-1A)	
Baseline	±0.0008 A(200-1090nm)	
Sound Emission	100%(T) Sound emission0.1%(T)	
	0%(T) Sound emission0.02%(T)	
Drifting	0.004 Abs/h (250nm and 500nm after 2h warm up)	
COM Port	USB	
Light Source	Hamamatsu D2 lamp, osram halogen tungsten lamp	
Electricity	AC220V±22V, 50Hz±1Hz, 200W	
Size(W×D×H)(mm)	584x504x360	
Shipping Size(W×D×H)(mm)	730x630x450	
N.W./G.W. (kg)	34/45	

Micro UV-Vis Spectrophotometer

Designed for ultra-low sample volumes without cuvettes. Ideal for DNA, RNA, and protein quantification in molecular biology labs.

- Accurate optical measurement for qualitative and quantitative analysis.
- Wide wavelength range suitable for diverse analytical applications.
- Digital display with data storage and PC connectivity options.
- High photometric accuracy and stability with low stray light.
- User-friendly software for data processing and reporting.
- Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.



Model		ML-NANO-100	ML-NANO-200
Wavelength Range		190-850nm	190-850nm
Sample Capacity		0.5-2l	0.5-2l
Optical Distance		0.05mmx0.2mm, 1.0mm (automatic switchover)	0.05mmx0.2mm, 1.0mm (automatic switchover)
Light Source/Life		Xenon lamp/109 times	Xenon lamp/109 times
Detector		2048 element linear CCD array	2048 element linear CCD array
Spectral Bandwidth		2nm	2nm
Absorbed Light Accuracy		0.003Abs	0.003Abs
Absorbance Accuracy		±1% (7.332Abs at 260nm)	±1% (7.332Abs at 260nm)
Absorbance Range		(Equivalent to 10mm) 0.04-300A	(Equivalent to 10mm) 0.04-300A
Nucleic Acid Concentration Range		2ng/L dsDNA~	2ng/L dsDNA~
		15000ng/L	15000ng/L
		dsDNA	dsDNA
Detection Time		5 s	5 s
OD600	Absorbance Range	0~4.000 Abs	0~4.000 Abs
	Absorbance Stability	[0,3)0. 5%	[0,3)0. 5%
		[3,4) 1%	[3,4) 1%
	Absorbance Repeatability	[0,3)0. 5%	[0,3)0. 5%
		[3,4) 1%	[3,4) 1%
		[0,3)< 0.005A+1%; [3, 4) 2%	[0,3)< 0.005A+1%; [3, 4) 2%
Fluorescence Detection		/	Excitation wavelength: 460nm
			Emission wavelength: 525nm
Fluorescence Detection	Linearity	/	R2>0.995
	Repeatability	/	<1.5%
	Stability	/	<1.5%
Print		Built-in thermal printer	Built-in thermal printer
Data Output Mode		USB	USB
Material of Sample Base		Quartz optical fiber and high hard aluminum	Quartz optical fiber and high hard aluminum
Input Voltage		VAC 100-240V; VDC 24V 2A	VAC 100-240V; VDC 24V 2A
Power		<15W (Standby: 5W)	<15W (Standby: 5W)
Size(W×D×H)(mm)		290x208x180	
Shipping Size(W×D×H)(mm)		500x430x290	
N.W./G.W. (kg)		3.2/5	

Flame Photometer

Used for quantitative analysis of alkali and alkaline earth metals such as sodium and potassium.

Commonly applied in clinical, pharmaceutical, and environmental laboratories for routine elemental analysis.

Designed for rapid and accurate quantitative analysis of alkali and alkaline earth metals such as Na, K, Li, and Ca.

Operates on the principle of flame emission with high sensitivity and excellent measurement stability.

Fast analysis speed with direct concentration readout on digital display.

Supports multiple sample aspiration rates and continuous sample analysis.

User-friendly calibration with standard solutions and low maintenance requirements.

Widely used in clinical diagnostics, pharmaceuticals, agriculture, food, and environmental laboratories.



Model		MLFP7500	MLFP7400	MLFP7303	MLFP7302	MLFP7301	MLFP7202	MLFP7201
Display		7-inch color touch screen						
Display Results		Concentration value/Energy						
Reading Range		0.000-9999/0-65535						
Testable		K, Na, Li, Ca, Ba	K, Na, Li, Ca	K, Na, Ba	K, Na, Ca	K, Na, Li	K, Na	K, Na
Channel Qty		5	4	3	3	3	2	2
Range (ppm)	K	0-200	0-200	0-200	0-200	0-200	0-200	0-200
	Na	0-200	0-200	0-200	0-200	0-200	0-200	0-200
	Li	0-200	0-200	/	/	0-200	/	/
	Ca	0-1000	0-1000	/	0-1000	/	/	/
	Ba	0-3000	/	0-3000	/	/	/	/
Detection Limit (ppm)	K	0.16						
	Na	0.18						
	Li	0.105	0.105	/	/	0.105	/	/
	Ca	2	2	/	2	/	/	/
	Ba	0.6	/	0.6	/	/	/	/
Linear Error	K	0.2						
	Na	0.7						
	Li	0.147	0.147	/	/	0.147	/	/
	Ca	3	3	/	3	/	/	/
	Ba	9	/	9	/	/	/	/
Response Time		<8s						
Sample Uptake		<6ml/min						
Stability		<3% drift over 15s when continuous sampling						
Reproducibility		<3% coefficient of variation for 7 consecutive samples						
Curve Graph		Yes	Yes	Yes	Yes	Yes	No	No
Bluetooth Printer		Yes						Optional
Output		USB port						
Standard Accessory		Air compressor						
Power Supply		AC 220/110V, 50/60Hz						
External Size (WxDxH)(mm)		480x260x330						
Shipping Size (WxDxH)(mm)		710x380x515						
N.W./G.W.(kg)		16/20						

FTIR

The FTIR Spectrometer is a high-performance analytical instrument used for rapid identification and characterization of chemical substances through infrared spectral analysis. It utilizes a precision Michelson interferometer with laser reference control to provide excellent wavelength accuracy and repeatability. The system offers a wide spectral range of 4000–400 cm^{-1} with resolution up to 0.5–4 cm^{-1} for reliable functional group detection and molecular fingerprinting. Equipped with a high-sensitivity DTGS/MCT detector and accessories like ATR, transmission, and gas cell, it enables analysis of solids, liquids, and gases with minimal preparation. User-friendly software supports automated data acquisition, Fourier Transform processing, spectral library search, and quantitative analysis for QC and research laboratories.



Model	ML-FTIR-20
Spectral range	7800 ~ 350 cm^{-1}
Resolution	Better than 0.5 cm^{-1}
Wave number accuracy	0.01 cm^{-1}
Signal-to-Noise Ratio	Better than 15000:1/better than 30000:1 (P-P value, 4 cm^{-1} , one minute scanning) optional
Beam splitter	KBr substrate coated with germanium
Light source	High energy, high efficiency, long life ceramic light source (imported)
Interferometer	Michelson interferometer with 30 degree incident angle
Receiver	High sensitivity DLATGS receiver with moisture-proof film (imported)
Data transmission interface	USB2.0 (compatible with 3.0)
Supported systems	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10
Consumption	39W
Size(W×D×H)(mm)	440×360×190
Shipping Size (W×D×H)(mm)	820×705×590
N.W./G.W. (kg)	14 / 61.7

NIR Spectrophotometer

Analyzes samples using near-infrared spectra for rapid, non-destructive testing.

Widely used in agriculture, food, and industrial laboratories.

- Accurate optical measurement for qualitative and quantitative analysis.
- Wide wavelength range suitable for diverse analytical applications.
- Digital display with data storage and PC connectivity options.
- High photometric accuracy and stability with low stray light.
- User-friendly software for data processing and reporting.
- Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.



Model	ML-NIR-430	ML-NIR-450
Measurement Mode	The diffuse reflection sample cell	
Detector	Japan hamamatsu cooled InGaAs	
Spectral Bandwidth(nm)	12	
Wavelength Range(nm)	900-2500 nm	
Wavelength Accuracy(nm)	0.2	
Wavelength Repeatability(nm)	0.05	
Stray Light(%)	0.1	
Absorbance Noise(Abs)	0.0005	
Analysis Time	1min (adjustable)	
Data Transmission Mode	USB2.0	
Calibration Technology	MPLS Modified least squares regression calibration technology	
	DPLS Spectrum identification and qualitative analysis technology	
Item	Content	
Electricity	90-250V\50Hz (or 60Hz)	
Ambient Temperature (°C)	May-35	
Ambient Humidity (%RH)	May-85	
Size(W×D×H)(mm)	540×380×220	
Shipping Size(W×D×H)(mm)	780×550×400	
N.W./G.W. (kg)	18/25	

Atomic Absorption Spectrophotometer (AAS)

Used for precise detection of metal elements at trace levels. Commonly applied in environmental, food, and pharmaceutical analysis.

- Accurate optical measurement for qualitative and quantitative analysis.
- Wide wavelength range suitable for diverse analytical applications.
- Digital display with data storage and PC connectivity options.
- High photometric accuracy and stability with low stray light.
- User-friendly software for data processing and reporting.
- Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.



Model	ML-AAS4530	ML-AAS320
Wavelength Range	190-900nm	
Spectral Bandwidth	0.1/0.2/0.4/1.0/2.0 nm	
Accuracy of the Wavelength	±0.15nm	
Receptivity of the Wavelength	0.04nm	
Base Line Stability	0.002A/30min (Cu)	
Characteristic Viscosity	0.02g/ml/1% (Cu)	
Checking Limit	0.004g/ml (Cu)	
Preciseness	0.005	
Grating	1800 lines/mm	
Inflamer	All-metal titanium burner	
Atomizer	Effective glass atomizer	
Lamp Stand	8	
D2 Background Correction Ability	When the background is 1A, the background ability should be deducted not less than 50 times, self absorption background deduction method	
Power Source	220V±22V AC	
Shipping Size(W×D×H)(mm)	860×705×755(Main instrument)	
	1170×645×900(Accessories)	
G.W. (kg)	105 (Main instrument); 100 (Accessories)	
Flame System		
Acetylene Air Burner	100mm	
Lgnition Dynamic Baseline Drift	0.006A/30min	
(Cu) Characteristic Viscosity	0.025g/ml/1%	
Related Standard Deviation of the Accuracy	0.5% (Cu, absorbance>0.8A) (detection limit Cu0.008g/ml)	
Safety System	Can automatically cut off the gas when the pressure is not enough the power is off flame out and unconformity of the burner	
Graphite Furnace		
The Highest Temperature	3000	
The Largest Temperature Rising Speed	2000/s	
Characteristic Quantity	Cd0.5×10 ⁻¹² g Cu0.5×10 ⁻¹¹ g	
Accuracy	Cu3% Cd3%	
Size (mm) and Weight	730×625×700; 79.3kg	
Safety System	Over current protection	
	Low air pressure alarm/protection	
	Low cooling water flow alarm/protection	
Power Source and Power	220V±22V AC 7000W	

Fluorescence Spectrophotometer

Measures fluorescence intensity of samples for high-sensitivity analysis. Ideal for biochemical, molecular, and pharmaceutical research.

- Accurate optical measurement for qualitative and quantitative analysis.
- Wide wavelength range suitable for diverse analytical applications.
- Digital display with data storage and PC connectivity options.
- High photometric accuracy and stability with low stray light.
- User-friendly software for data processing and reporting.
- Essential for chemistry, biochemistry, pharmaceutical, and environmental labs.



Model	ML-FL93	ML-FL931	ML-FL96
Excitation Source	150W xenon lamp (Hamamatsu)	150W xenon lamp (Hamamatsu)	150W xenon lamp (Hamamatsu)
Excitation Wavelength	200nm-900nm	200nm-900nm	200nm-900nm
Emission Wavelength	200nm-900nm	200nm-900nm	200nm-900nm
Excitation Slit	1nm/2nm/5nm/10nm/20nm	1nm/2nm/5nm/10nm/20nm	1nm/2nm/5nm/10nm/20nm
Emission Slit	1nm/2nm/5nm/10nm/20nm	1nm/2nm/5nm/10nm/20nm	1nm/2nm/5nm/10nm/20nm
Wavelength Accuracy	±0.4nm	±0.4nm	±0.4nm
Wavelength Repeatability	0.2nm	0.2nm	0.2nm
Signal-to-Noise Ratio	S/N350(P-P), S/N1000(RMS)	S/N350(P-P), S/N1000(RMS)	S/N350(P-P), S/N1000(RMS)
Limit	5×10 ⁻¹¹ g/ml (Quinine Sulfate Solution)	5×10 ⁻¹¹ g/ml (Quinine Sulfate Solution)	5×10 ⁻¹¹ g/ml (Quinine Sulfate Solution)
Linearity	0.995	0.995	0.995
Peak Repeatability	1.5%	1.5%	1.5%
Wavelength Scan Speed	Multi-speed Level, Maximum at 60000nm/min	Multi-speed Level, Maximum at 60000nm/min	Multi-speed Level, Maximum at 60000nm/min
Minimum Sample Size	0.5mL (Using a standard 10mm square sample cell)	0.5mL (Using a standard 10mm square sample cell)	0.5mL (Using a standard 10mm square sample cell)
Octave Filter	Build in Octave filter	Build in Octave filter	Build in Octave filter
Photometric Quantity Range	-19998	-19998	-19998
Response Time	0.02/0.1/0.5/1/2/4/8s, Auto adjust	0.02/0.1/0.5/1/2/4/8s, Auto adjust	0.02/0.1/0.5/1/2/4/8s, Auto adjust
Data Transportation	USB 2.0	USB 2.0	USB 2.0
Power	200W	200W	200W
Power Source	AC 220V/50Hz; 110V/60Hz	AC 220V/50Hz; 110V/60Hz	AC 220V/50Hz; 110V/60Hz
Size(W×D×H)(mm)	610×460×365	610×460×365	610×460×365
Shipping Size(W×D×H)(mm)	790×670×530	790×670×530	790×670×530
N.W./G.W. (kg)	21/47	21/47	21/47

Colorimeter

A simple instrument for measuring color intensity and concentration. Commonly used in water analysis, clinical tests, and teaching laboratories.

- Compact instruments for rapid on-site and laboratory analysis.
- High sensitivity sensors for accurate colorimetric measurements.
- Pre-programmed methods for water and environmental testing.
- Portable and benchtop options with rechargeable battery support.
- Simple calibration and maintenance.
- Used in water treatment, environmental monitoring, and quality control labs.



Model	ML-CMP60	ML-CM-A100	ML-CM-B100
Measurement Method	Platinum-Cobalt Colorimetry	Platinum-Cobalt Colorimetry	Platinum-Cobalt Colorimetry
Measuring Range	20-500 PCU	20-500 PCU	20-500 PCU
Abs Range	-0.3~3A	-0.3~3A	-0.3~3A
Colorimetric Method	Tube Colorimetric	Tube Colorimetric	Tube Colorimetric
Accuracy	±5%	±5%	±5%
Resolution	0.01 PCU	0.01 PCU	0.01 PCU
Light Source	Imported Silicon Photodiode	Imported Silicon Photodiode	Imported Silicon Photodiode
Display	3-inch color screen	3-inch color screen	3-inch color screen
Output	Micro USB	Micro USB	Micro USB
Power	Power adapter/Rechargeable lithium battery	Power adapter/Rechargeable lithium battery	Power adapter/Rechargeable lithium battery
Waterproof Level	Ip54	IP54	IP54
Ambient Temperature	(5-40) °C	(5-40) °C	(5-40) °C
Ambient Humidity	Relative humidity 85% (No condensation)	Relative humidity 85% (No condensation)	Relative humidity 85% (No condensation)
Size/N.W.	100×210×70 mm/1kg	100×210×70 mm/1kg	100×210×70 mm/1kg
Shipping Size/G.W.	355x265x150mm/2kg	355x265x150mm/2kg	355x265x150mm/2kg
Standard Accessories	Sample bottle x 5 pcs, Power adapter(Charger), Manual	Sample bottle x 5 pcs, Power adapter(Charger), Manual	Sample bottle x 5 pcs, Power adapter(Charger), Manual
External Size	220x100x75mm	220x100x75mm	220x100x75mm
Shipping Size	350x280x150mm	350x280x150mm	350x280x150mm
Net/Gross Weight (KG)	0.5/2	0.5/2	0.5/2

Thermostatic Water Bath

Provides precise temperature control for heating samples uniformly. Widely used in chemical, clinical, and research laboratories.

- Provides precise and uniform temperature control for samples.
- Digital temperature controller with over-temperature protection.
- Stainless steel chamber ensures corrosion resistance and easy cleaning.
- Available in static, shaking, transparent, and low-temperature variants.
- Uniform heat distribution across the bath chamber.
- Used for incubation, enzyme reactions, and sample warming.



MODEL	ML-WBT-05	ML-WBT-10	ML-WBT-20	ML-WBT-30	ML-WBT-6H	ML-WBT-12
Temp. Setting Range()	0~100°C	0~100°C	0~100°C	0~100°C		
Temp. Control Range()	RT+5~100°C	RT+5~100°C	RT+5~100°C	RT+5~100°C		
Timing Range	1min~99h59min	1min~99h59min	1min~99h59min	1min~99h59min		
Temp. Accuracy()	±0.3					
Display Accuracy()	0.1					
Temp. Uniformity()	±0.3					
Heating Time	30min(25°C ~100°C)					
Number of Tanks	1	2	3	1		
Tank Capacity	1×2L	2×2L	3×2L	5L		
Power(W)	300	600	900	900		
Power Supply	AC220/110V; 50/60Hz					
Chamber Size (W×D×H)(mm)	125×100×115	125×100×115×2	125×100×115×3	263×120×115		
Sizes (W×D×H)(mm)	206×254×310	397×254×310	588×254×310	355×270×309		
Shipping Size (W×D×H)(mm)	360×330×310	520×390×330	720×440×350	520×390×330		
N.W./G.W. (kg)	2.2/6	5.5/9	8.5/12	5.1/9		

Transparent Water Bath

Designed with clear walls for easy sample observation during heating. Suitable for incubation and temperature-controlled experiments.

- Provides precise and uniform temperature control for samples.
- Digital temperature controller with over-temperature protection.
- Stainless steel chamber ensures corrosion resistance and easy cleaning.
- Available in static, shaking, transparent, and low-temperature variants.
- Uniform heat distribution across the bath chamber.
- Used for incubation, enzyme reactions, and sample warming.



Model	ML-TWB-06	ML-TWB-10	ML-TWB-20
Temperature Range ()	RT+10~70		
Fluctuation ()	±1		
Timing Range	1min~9999h		
Volume (L)	7	9	26
Power Supply	AC220/110V, 50/60Hz		
Power (W)	500	1000	1500
Optional	LCD Display, computer interface and printer		
Working Room Size(W×D×H)(mm)	325×175×150	325×265×97	530×325×150
Sizes (W×D×H)(mm)	420×275×180	420×230×270	627×275×330
Shipping Size (W×D×H)(mm)	470×310×250	470×315×260	690×390×280
N.W./G.W. (kg)	4.5/6	4.5/7	9.2/10

Thermostatic Shaking Water Bath

Combines temperature control with shaking for uniform sample mixing. Ideal for biochemical and microbiological applications.

- Provides precise and uniform temperature control for samples.
- Digital temperature controller with over-temperature protection.
- Stainless steel chamber ensures corrosion resistance and easy cleaning.
- Available in static, shaking, transparent, and low-temperature variants.
- Uniform heat distribution across the bath chamber.
- Used for incubation, enzyme reactions, and sample warming.



Model	ML-TSWB-12	ML-TSWB-24
Temp. Range	RT~100	
Oscillation Amplitude	24mm	30mm
Rotary Speed	50~220rpm	60~280rpm
Shaking Mode	Rotation oscillation & reciprocating, continuous	Rotation oscillation, continuous
Timing	0~120min	
Power Supply	AC220/110V; 50/60Hz	
Power (W)	1550	1500
Chamber Size (W×D×H)(mm)	490×400×150	490×400×180
Sizes (W×D×H)(mm)	730×480×520	
Shipping Size (W×D×H)(mm)	820×610×600	820×610×580
N.W./G.W. (kg)	45/54	41/50

Circulating Water Bath

Ensures uniform temperature by circulating heated water. Used for high-precision temperature control in analytical laboratories.

- Provides precise and uniform temperature control for samples.
- Digital temperature controller with over-temperature protection.
- Stainless steel chamber ensures corrosion resistance and easy cleaning.
- Available in static, shaking, transparent, and low-temperature variants.
- Uniform heat distribution across the bath chamber.
- Used for incubation, enzyme reactions, and sample warming.



Model	ML-LTCWB-20	ML-LTCWB-40	ML-LTCWB-06
Temp. Display	LED display		
Tank Volume	6.8L	20L	
Matching Reaction Kettle (Steam)	1~5L	20L	
Tank Material	201 Stainless Steel		
Tank Size	220×180mm	300×300mm	
Temp. Control Accuracy	±0.1 °C		
Display Temp. Resolution	0.1°C		
Pump Lift	4~6m		
Circulating Pump Flow	20~40L/min		
Refrigerant	R22		
Refrigerating Capacity	2324~735W	6972~2205W	
Pressure	0.4Mpa		
Ambient Relative Humidity	(60~80%)Ventilation		
Instrument Temp. Control Range	-20°C~RT	-40°C~RT	
Optimum Ambient Temp.	5~35°C		
Unload Min Temp.	-20°C	-42°C	
Circulation Pump Power	100W		
Circulating Pump	Fully-closed & No-leaked special pump		
Sensor	Pt100		
Coil Diameter	185mm	255mm	
Opening Size	200mm	250mm	
Power Supply	AC220±10%, 50/60Hz	AC220V±10%, 50/60HZ	
	AC110±10%, 60Hz		
Sizes(W×D×H)(mm)	490×430×(760+410)	600×680×(980+500)	
Shipping Size (W×D×H)(mm)	600×435×890	720×600×1200	
N.W./G.W. (kg)	50/70	105/135	

Power Supply Electrophoresis

Provides precise and stable voltage and current output for electrophoresis and other laboratory applications. Commonly used in molecular biology and research laboratories to ensure safe and consistent experimental results.

- Designed for separation of nucleic acids and proteins.
- Leak-proof gel tanks with uniform electric field distribution.
- Compatible with agarose and polyacrylamide gels.
- Power supplies offer stable voltage and current control.
- Blotting systems ensure efficient protein transfer.
- Commonly used in molecular biology and clinical research.



Model	ML-EPS-250	ML-EPS-300	ML-EPS-600
Accuracy	±1mA	±1mA	±1mA
Error	±1V	±1V	±1V
Timing	1-999min (adjustable)	1-999min (adjustable)	1-999min (adjustable)
Output Voltage	10-300V (continuously adjustable)	10-300V (continuously adjustable)	10-300V (continuously adjustable)
Output Current	4-400mA (continuously adjustable)	4-400mA (continuously adjustable)	4-400mA (continuously adjustable)
Output	75W (max)	75W (max)	75W (max)
Shipping Size(W×D×H)(mm)	310×240×150	310×240×150	310×240×150
N.W./G.W. (kg)	1/1.5	1/1.5	1/1.5

Single Wavelength Transilluminator

- High-intensity UV illumination for gel visualization.
 - Multiple wavelength options for DNA/RNA and protein gels.
 - Uniform illumination across gel surface.
 - Compatible with imaging systems for documentation.
 - UV-protected viewing windows for operator safety.
- Used in molecular diagnostics and research laboratories.



Model	ML-UV-16	ML-UV-21
Wavelength	302nm(standard); 254nm/354nm(optional)	302nm(standard); 254nm/354nm(optional)
Input Power Supply	220V, 50Hz	220V, 50Hz
Power(W)	8W×6	8W×6
Observation Area(W×L)(mm)	195×145	195×145
Sizes (W×D×H)(mm)	335×265×120	335×265×120
Shipping Size(W×D×H)(mm)	360×420×230	360×420×230
N.W./G.W. (kg)	5/6.5	5/6.5

Double transilluminator

- o High-intensity UV illumination for gel visualization.
 - o Multiple wavelength options for DNA/RNA and protein gels.
 - o Uniform illumination across gel surface.
 - o Compatible with imaging systems for documentation.
 - o UV-protected viewing windows for operator safety.
- Used in molecular diagnostics and research laboratories.



Model	ML-DUV-16
Voltage	DC24V, 1A
Gel Tray(W×L)(mm)	160×100(max)
Wavelength	470nm
LED Radiation Mode	Double sides matrices
LED Life	60000h
Sizes (W×D×H)(mm)	225×205×49
Shipping Size(W×D×H)(mm)	400×350×110
N.W./G.W. (kg)	1.3/3

Transilluminator

- oHigh-intensity UV illumination for gel visualization.
 - oMultiple wavelength options for DNA/RNA and protein gels.
 - oUniform illumination across gel surface.
 - oCompatible with imaging systems for documentation.
 - oUV-protected viewing windows for operator safety.
- Used in molecular diagnostics and research laboratories.



Model	ML-UVT-E1	ML-UVT-E2	ML-UVT-E2	ML-UVT-E3	ML-UVT-E4	ML-UVT-E5	ML-UVT-E6
LED source	Bottom LED light module	Bottom LED light module	Bottom LED light module	Bottom LED light module	Bottom LED light module	Bottom LED light module	Bottom LED light module
LED lifetime	50000h	50000h	50000h	50000h	50000h	50000h	50000h
LED wavelength	470nm	470nm	470nm	470nm	470nm	470nm	470nm
Auto shutdown time	5min	5min	5min	5min	5min	5min	5min
Input power supply	100~240V, 50/60Hz	100~240V, 50/60Hz	100~240V, 50/60Hz	100~240V, 50/60Hz	100~240V, 50/60Hz	100~240V, 50/60Hz	100~240V, 50/60Hz
Input current	1A	1A	1A	1A	1A	1A	1A
Observation area(W×L)(mm)	200×120	200×120	200×120	200×120	200×120	200×120	200×120
Sizes (W×D×H)(mm)	265×195×40	265×195×40	265×195×40	265×195×40	265×195×40	265×195×40	265×195×40
Shipping size(W×D×H)(mm)	280×375×80	280×375×80	280×375×80	280×375×80	280×375×80	280×375×80	280×375×80
N.W./G.W. (kg)	2-Jan	2-Jan	2-Jan	2-Jan	2-Jan	2-Jan	2-Jan

Gel Imaging System

- High-intensity UV illumination for gel visualization.
 - Multiple wavelength options for DNA/RNA and protein gels.
 - Uniform illumination across gel surface.
 - Compatible with imaging systems for documentation.
 - UV-protected viewing windows for operator safety.
- Used in molecular diagnostics and research laboratories.



Model	ML-AGIA-1000	ML-AGIA-1000I
Pixel	2592x1944(5.03MP)	
Exposure Time	1ms-3000ms	
QE Value	High QE: 65%	
Binning	1x1	
Bit Depth	16bit (0-65535)	
OD	4.8OD	
Lens	Motorized 8-48mm, F1.2	
Trans-UV	302nm	
Epi-White	LED	
Trans White	UV to white sample plate	
Epi-UV	254nm, 302nm, 365nm for option	
Filters	590nm, others for option	
UV Area	210x210mm	
Timing off	1~60mins	
Sizes (W×D×H)(mm)	375x360x605	
Shipping Size	500x480x740	
(W×D×H)(mm)	(W×D×H)(mm)	
N.W./G.W. (kg)	28/30	

Automatic Chemiluminescence Gel Imaging System

Designed for high-sensitivity detection of chemiluminescent signals in gels and blots. Ideal for Western blotting and protein analysis in molecular biology laboratories.

- Advanced imaging system for sensitive detection of chemiluminescent, fluorescent, and colorimetric gels and blots.
- High-resolution cooled CCD/CMOS camera ensures low noise and high signal accuracy.
- Automated exposure control and fast image capture for reproducible results.
- Supports multiple gel sizes with uniform illumination across the imaging area.
- Integrated software for image acquisition, band analysis, quantification, and reporting.
- Ideal for molecular biology, protein research, and routine laboratory documentation.



Model	ML-ACG-16T	ML-ACG-1600
Pixel	9 million pixels	
Cooling Temperature	-65	
Photosensitive Efficiency	High QE: >95%	
Pixel Size	3.74m×3.74m	
Binning	1×1 2×2 4×4... 24×24	
Exposure	1ms-120min	
Image Density	16 bit (0-65535 colors)	
Dynamic Range	4.8 orders of magnitude	
Electric Lens	F=0.95 Auto focus lens optional F0.8	
White Light Reflection	LED reflection (cold light)	
Shooting Area	Max.shooting area: 16x14cm	
Timed Close	1~60 minutes	
Touch System	Built-in 12.5-inch high-performance touch computer	
Sizes(W×D×H)(mm)	362x360x566	
Shipping Size (W×D×H)(mm)	470x460x670	
N.W./G.W. (kg)	17.8/21	

Chemiluminescence Imaging Analysis System

Provides automated image capture, exposure control, and analysis of chemiluminescent membranes. Widely used in research and biotechnology laboratories for accurate protein detection.

- Fully automated system for high-sensitivity detection and quantitative analysis of chemiluminescent samples.
- Ultra-low noise imaging sensor enables detection of very weak signals.
- Automatic focus, exposure optimization, and image processing for consistent results.
- Supports multi-mode imaging including chemiluminescence, fluorescence, and visible light.
- Powerful analysis software with lane detection, molecular weight calculation, and data export.
- Suitable for advanced research laboratories, diagnostics, and pharmaceutical applications.



Model	ML-ACG-16T	ML-ACG-1600
Pixel	9 million pixels	
Cooling Temperature	-65	
Photosensitive Efficiency	High QE: >95%	
Pixel Size	3.74m×3.74m	
Binning	1×1 2×2 4×4... 24×24	
Exposure	1ms-120min	
Image Density	16 bit (0-65535 colors)	
Dynamic Range	4.8 orders of magnitude	
Electric Lens	F=0.95 Auto focus lens optional F0.8	
White Light Reflection	LED reflection (cold light)	
Shooting Area	Max.shooting area: 16x14cm	
Timed Close	1~60 minutes	
Touch System	Built-in 12.5-inch high-performance touch computer	
Sizes(W×D×H)(mm)	362x360x566	
Shipping Size (W×D×H)(mm)	470x460x670	
N.W./G.W. (kg)	17.8/21	

Mini Dry Bath

- Precise temperature control for amplification and incubation.
- Fast heating and cooling rates ensure reproducible results.
- Gradient capability for protocol optimization.
- Compact design with digital display and timer.
- Supports multiple block formats.
- Essential for molecular biology and diagnostics.

A compact heating block for small sample volumes. Ideal for quick heating applications in research and diagnostic labs.



Model	ML-MINIB-100	ML-MINIB-100L	ML-MINIC-100	ML-MINIC-100L
Display	LCD	LCD	LCD	LCD
Temperature Setting Range (°)	0-100	25-100	0-100	0-100
Temperature Range (°)	RT.-23~100	RT.+5~100	RT.-23~100	RT.-23~100
Temperature Control Accuracy (°)	±0.5		±0.5	±0.5
Temperature Display Accuracy (°)	0.1		0.1	0.1
Minimum Time Taken for Heating (25-100)	20min		20min	20min
Minimum Time for Cooling (20-10)	25min	/	25min	25min
Max. Heating Rate	8/min	6.5/min	8/min	8/min
Max. Cooling Rate	3/min	/	3/min	3/min
Time Setting Range	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec
No. of Programs in Memory	9 (2 steps for each)		9 (2 steps for each)	9 (2 steps for each)
Rapid Calibration	Support		Support	Support
USB Interface	Support		Support	Support
Error Code Reminder	Support		Support	Support
Power Supply	AC100V-240V, 50Hz/60Hz		AC100V-240V, 50Hz/60Hz	AC100V-240V, 50Hz/60Hz
Consumption	60W		60W	60W
Operation Temperature (°)	-30		-30	-30
Operation Humidity (%RH)	80		80	80
Size (W×D×H)(mm)	250x240x200		250x240x200	
(Without the Heating Block)				250x240x200
Shipping Size (W×D×H)(mm)	320x260x240		320x260x240	320x260x240
N.W./G.W. (kg)	1.8/3		1.8/3	1.8/3
Optional Blocks	Optional Blocks			
Cat. No.	Capacity	Diameter×depth	Capacity	Capacity
18900414	40×0.2 mL	6.4mm×20mm	40×0.2 mL	40×0.2 mL
18900415	24×0.5 mL	8.2mm×28.4mm	24×0.5 mL	24×0.5 mL
18900416	15×1.5 mL	11.2mm×31mm	15×1.5 mL	15×1.5 mL
18900428	15×2 mL	11mm×31mm	15×2 mL	15×2 mL
18900417	6×5 mL	17mm×31mm	6×5 mL	6×5 mL
18900426	4×15 mL	16.4mm×45mm	4×15 mL	4×15 mL
18900427	2×50 mL	29mm×45mm	2×50 mL	2×50 mL

Dry Bath

- Precise temperature control for amplification and incubation.
 - Fast heating and cooling rates ensure reproducible results.
 - Gradient capability for protocol optimization.
 - Compact design with digital display and timer.
 - Supports multiple block formats.
 - Essential for molecular biology and diagnostics.
- Heats samples using interchangeable blocks without water. Commonly used for incubation of tubes in molecular biology labs.



Model	ML-DKT-200-1	ML-DKT-200-2	ML-DKT-200-2A	ML-DKT-200-4
Display	LED	LED	LED	LED
Temperature Range(	RT+5~60	RT+5~60	RT+5~60	RT+5~60
Heating Temperature Range	5 Gears: 25, 30, 37, 45, 60	5 Gears: 25, 30, 37, 45, 60	5 Gears: 25, 30, 37, 45, 60	5 Gears: 25, 30, 37, 45, 60
Temperature Control Accuracy	±0.5	±0.5	±0.5	±0.5
Temperature Uniformity	±0.3 (At 37)	±0.3 (At 37)	±0.3 (At 37)	±0.3 (At 37)
Max. Heating Rate	5.5/min	5.5/min	5.5/min	5.5/min
Time Setting Range	0min-99h30min	0min-99h30min	0min-99h30min	0min-99h30min
Operating Temperature(°)	10-40	10-40	10-40	10-40
Operating Humidity(%RH)	80	80	80	80
Power Supply	AC220V/110V, 50/60Hz	AC220V/110V, 50/60Hz	AC220V/110V, 50/60Hz	AC220V/110V, 50/60Hz
Consumption	160W	160W	160W	160W
Size(W×D×H)(mm)	370x280x180	370x280x180	370x280x180	370x280x180
Shipping Size(W×D×H)(mm)	510x370x280	510x370x280	510x370x280	510x370x280
N.W./G.W. (kg)	2.5/4	2.5/4	2.5/4	2.5/4
Optional Block				
Capacity	5mL×30+10mL×8	5mL×30+10mL×8	5mL×30+10mL×8	5mL×30+10mL×8

Dry Bath Incubator

- Precise temperature control for amplification and incubation.
 - Fast heating and cooling rates ensure reproducible results.
 - Gradient capability for protocol optimization.
 - Compact design with digital display and timer.
 - Supports multiple block formats.
 - Essential for molecular biology and diagnostics.
- Provides stable temperature control for long-duration incubations.
Suitable for enzyme reactions and sample preparation.



Model	ML-DTC-100	ML-DTH-100
Temp Setting Range	0~100	-10~100
Temp. Control Range	RT.+5~100	RT.-30~100
Time Range	1min~99min59sec	1min~99min59sec
Temp Accuracy	±0.3	
Display Accuracy	0.1	
Temp Uniformity	±0.3	
Heating Time	12min (From 25 to 100)	
Cooling Time	\	10min (From 100 to 25)
Cooling Time	\	25min (From RT.to RT.-30)
AUTO-4	\	Yes
Multi Points Running	\	Yes (Max 5 points)
Multi Cycle	\	Yes (Max 99 times)
Auto Running	\	Yes
Auto Heating	\	Yes
Auto Resume to Run	\	Yes
Consumption	150W	
Power Supply	AC220V/110V, 50/60Hz	AC100~240V, 50/60Hz
Size(W×D×H)(mm)	260x195x150	
Shipping Size(W×D×H)(mm)	410x320x320	410x320x320
N.W./G.W. (kg)	2.5/4	4.5/6
Optional Blocks	Optional Blocks	
Type	Test tube and aperture	
MD30	96×0.2ml	
MD31	54×0.5ml	
MD32	35×1.5ml	
MD33	35×2.0ml	
MD34	15×0.5ml+20×1.5ml	
MD35	96×0.2ml (Elisa plate)	
MD36	24×5ml	
MD37	15×10ml	
MD38	12×15ml	
MD39	6×50ml (Round-shape bottom)	
MD39-S	6x50ml (Cone-shape bottom)	

CO₂ Incubator

Provides controlled CO₂, temperature, and humidity for cell culture growth. Essential in biomedical and life science laboratories.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model	ML-ICB-80L	ML-ICB-165L	ML-ICB-270LL
Capacity(L)	160	195	185
Internal Size (W×D×H)(mm)	480x480x698	500x500x780	490x490x770
External Size (W×D×H)(mm)	675x695x975	695x715x1060	685x705x1030
Heating method	Air jacket		
Temperature control range	RT+5-60		
Temperature fluctuation (°)	±0.2		
Temperature Uniformity (°)	±0.437		
CO ₂ control range	0-20%		
CO ₂ control accuracy	±0.1%		
CO ₂ recovery time	(Recovery to 5% in 60 seconds) 6 minutes		
Temperature recovery	(Return to 37 in 60 seconds) 5 minutes		
Relative humidity	90%RH±3%		
90 °C high temperature moist heat sterilization	Yes		
Load carrier (standard)	3pcs		
Power Supply	AC220V 50/60Hz	1150W	1050W
Input power	800W		
Optional	Humidity display, printer, monitoring software		

Constant Temperature Incubator

Maintains a stable temperature for sample incubation. Commonly used in microbiology, pharmaceutical, and research laboratories.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model			ML-CTIC-45L	ML-CTIC-70L	ML-CTIC-95L	ML-CTIC-120L	ML-CTIC-160L	ML-CTIC-220L
Capacity			42L	72L	125L	210L	210L	210L
Circulation Mode			Natural convection					
Size(WxDxH)	Internal (mm)		350x350x350	400x400x450	450x500x550	500x600x700	500x600x700	500x600x700
	External (mm)		500x490x705	580x530x800	630x635x900	730x675x1200	730x675x1200	730x675x1200
Temperature	Range (°)		RT+5-65					
	Resolution (°)		0.1					
	Fluctuation (°)		±2					
	Uniformity (°)		±2					
Controller			PID Controller					
Display			Digital display					
Timer(min)			0-9999					
Material	Internal		201 stainless steel					
	External		Cold rolled steel electrostatic spraying exterior	600x640x880	720x700x1125	745x780x1250	745x780x1250	745x780x1250
Shipping Size (WxDxH)(mm)			550x600x790	4-Feb	6-Feb	8-Feb	8-Feb	8-Feb
Shelves (Standard / Max)			4-Feb					
Exhaust Hole			Standard 30mm top with function of test hole	300	400	500	500	500
Power Supply			220V 50Hz	46	65	91	91	91
Electricity Consumption (W)			200					
G.W. (kg)			38					

BOD Incubator

Designed for biological oxygen demand testing and microbial incubation. Widely used in environmental and water testing laboratories.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model		ML-BI-70L	ML-BI-100L	ML-BI-150L	ML-BI-275L	ML-BI-375L	ML-BI-475L	ML-BI-800L	ML-BI-1075L
Capacity(L)		70	100	150	250	350	450		
Circulation Mode		Forced convection							
Size (WxDxH)	Internal (mm)	450x350	510x380	505x380	550x450	550x550	700x550		
		x450	x510	x800	x1050	x1150	x1200		
	External (mm)	560x55	620x585	635x575	675x650	685x780	830x760		
		5x885	x940	x1425	x1675	x1860	x1860		
Temperature	Range (°)	0~60							
	Fluctuation (°)	±0.5							
	Resolution (°)	0.1							
	Uniformity (°)	±1							
	Sensor	PT100							
Controller		PID							
Display		High definition LCD							
Timer		1~9999min							
Material	Internal	Mirror stainless steel							
	External	Cold rolled steel electrostatic spraying exterior							
Shelves		2					4		
Test Hole (Optional)		25, 50, 80, 100mm							
Refrigerant		R134a (CFC free)							
Safety Device		Leakage protector, over temperature visible & audible alarm							
Electricity	Voltage /Frequency	AC 220/110V, 50/60Hz							
	Consumption	660	680	690	730	780	1320		
N.W./G.W. (kg)	(W)	55/60							
Shipping Size (WxDxH) (mm)		680x680	80/100	100/120	120/140	140/160	158/200		
			740x710	760x710	800x760	810x900	900x1150		
		x1050	x1140	x1610	x1930	x2020	x2080		
Optional		Test hole, spare shelf, internal socket, digital independent temp. limiter, intelligent LCD procedure temperature controller (Optional USB, RS485/232 port, and built-in printer)							

Constant Temperature & Humidity Incubator

Provides precise control of both temperature and humidity for stable environmental conditions. Commonly used in pharmaceutical, stability testing, and research laboratories.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model		ML-HI-80L	ML-HI-175L	ML-HI-275L	ML-HI-375L	ML-HI-475L	ML-HI-800L	ML-HI-1075L
Capacity(L)		80	150	250	350	460		
Circulation Mode		Forced convection						
Size (WxDxH)(mm)	Internal	400x400x500	400x500x750	500x550x910	600x600x1000	650x650x1100	650x650x1100	
	External	625x550x1065	600x660x1360	720x710x1570	800x760x1610	850x810x1715	850x810x1715	
Temperature	Range ()	0 ~ 65						
	Fluctuation ()	High Temp.: ±0.5Low Temp.: ±1						
	Resolution ()	0.1						
	Uniformity ()	±1						
	Sensor	PT100						
Humidity	Rang	45%~95%RH						
	Stability	±5%RH						
	Method	Internal						
	Sensor							
Controller		PID						
Display		Large high definition LCD						
Timer		0~9999/99*5Segments (with timing wait function)						
Material	Internal	Mirror stainless steel						
	External	Cold rolled steel electrostaticspraying exterior						
Shelves (Standard/Max)		-						
Test Hole		43mm						
External Socket		Universal socket(one)						
Refrigerant		R134a (CFC free)						
Defrosting Mode		Automatic						
Safety Device		Over temperature, over humidity, water shortage alarm						
Electricity	Voltage	AC 220/110V, 50/60Hz						
	/Frequency							
	Consumption	600	800	1000	1200	1400		
	(W)							
G.W. (kg)		61	88	112	139	168		
Shipping Size (WxDxH)(mm)		690x620x1150	770x735x1520	820x800x1660	870x860x1800	990x1040x1970	990x1040x1970	

Shaking Incubator

Combines controlled temperature incubation with orbital shaking for uniform sample mixing. Commonly used in microbiology, biotechnology, and research laboratories for culture growth and fermentation studies.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model	ML-VSICB-160	ML-HSICB-305
Volume	170L	280L
Shaking Speed	40-300rpm	40-300rpm
Speed Accuracy	±1rpm	±1rpm
Swing Amplitude	26mm	26m
Standard Configuration	250ml×24	250ml×35 or 500ml×24
Maximum Capacity	100ml×48 / 250ml×24 / 500ml×18 / 1000ml×12	250ml×70 / 500ml×48 / 1000ml×24 / 2000ml×8
Tray Size	500×350mm	740×460mm
Power Rating	550W	750W
Temperature Range	4-60	4-60
Temperature Accuracy	±0.1	±0.1
Temperature Uniformity	±1	±1
Timing Range	1-9999min	1-9999min
Display	LCD	LCD
Power Supply	AC220V240V±10%, 5060HZ	AC220V240V±10%, 5060HZ
Tray Included	2	2
Internal Size (W×D×H)	660×440×650mm	840×520×640mm
External Size (W×D×H)	700×560×1260mm	950×700×1260mm
Shipping Size (W×D×H)	820×960×1490mm	1120×990×1450mm
N.W./G.W.	175/243kg	220/293kg

Anaerobic Incubator

Creates oxygen-free conditions for culturing anaerobic organisms. Common in microbiology and clinical research laboratories.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model	ML-AIICB-3
Time for Creating Anaerobic State in Sample Chamber	<5 minutes
Time for Creating Anaerobic State in Operation Chamber	<1hr
Anaerobic Environment Maintenance Time	>12hrs (When no supply of mixed gas)
Temperature Range	RT+3~60
Temperature Stability	<±0.3
Temperature Uniformity	<±1
Display Resolution	0.1
Timing Range	1~9999min
Power Rating	600W
Power Supply	AC 220V, 50HZ
Internal Chamber Size (W×D×H)(mm)	300x190x290
Operation Chamber Size (W×D×H)(mm)	820x660x670
External Size (W×D×H)(mm)	1260x730x1380
Shipping Size (W×D×H)(mm)	1390x920x1560
N.W./G.W. (kg)	240/320

Platelet Incubator

Maintains platelet concentrates at controlled temperature with agitation. Used in blood banks and transfusion laboratories.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model		ML-PICB-5	ML-PICB-10
Performance	Cooling Method	Forced air cooling	
	Defrost	No frost	
	Power Failure Backup	72h	
	Temperature Range	20~24	
	Ambient Temperature	10~32	
	Noise(db)	49	50
Refrigeration System	Refrigerant	R134a	
	Temp. controller	Microprocessor	
	Sensor	NTC	
	Display	Digital display	
	External Material	SPCC sprayed steel	
	Internal Material	Stainless steel	
Alarms	High/Low Temperature	Standard	
	Power Failure	Standard	
	Sensor Error	Standard	
	Door Ajar	Standard	
	Light	UV	
Other	Blood bags (450ml)/Drawer	10/5 layers	20/10 layers
	Thermal Printer	Standard	
	Oscillation Amplitude	50±10mm	
	Oscillation Frequency	60±5e/min	
Electrical Data	Power Supply	AC220V, 50/60Hz; 110V, 60Hz	
	Consumption(W)	197	280
	Current(A)	0.9	1.27
	Power consumption	2.69	4.4
	(kWh/24h)		
Size	Internal Size (W×D×H)(mm)	427x360x457	432x462x728
	External Size (W×D×H)(mm)	522x600x1035	520x340x1290
	Shipping Size (W×D×H)(mm)	600x715x1230	605x720x1480
	CBM(m ³)	0.5	0.8
	N.W./G.W. (kg)	65/95	85/120

Plant Incubator

Provides controlled light, temperature, and humidity for plant studies.

Suitable for agricultural and botanical research.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model		ML-PGICB-250	ML-PGICB-350	ML-PGICB-450
Capacity(L)		250	350	450
Circulation Mode		Forced convection		
Size(WxDxH)	Internal (mm)	555x450x1100	550x550x1200	700x550x1200
	External (mm)	680x680x1760	780x780x1900	1030x780x1900
Temperature	Range (°C)	With lighting: 10~60		
		Without lighting: 4~60		Without lighting: 4~60
	Fluctuation (°C)	±1		
	Resolution (°C)	0.1		
	Uniformity (°C)	±1	±2	±2
	Sensor	PT100		
Illumination(Lx)		0~12000	0~15000	0~20000
Illumination Control		6-level relative illuminance control		
Controller		PID		
Display		Large high definition LCD		
Timer	Internal	1~9999min (Optional 30xsegmentsx100cycles)		
Material	External	Stainless steel		
		Cold rolled steel electrostatic spraying exterior		
Shelves		3	3	4
Test Hole (Optional)		25, 50, 80 mm		
Internal Socket		Optional		
Refrigerant		R134a (CFC free)		
Defrosting Mode		Automatic		
Safety Device		Visible & Audible over temperature, over humidity, water shortage alarm; leakage protector		
Electricity	Voltage/Frequency	AC 220/110V, 50/60Hz		
	Consumption (W)	640	1600	1750
N.W./G.W. (kg)		120/150	140/160	165/185
Shipping Size (WxDxH) (mm)		820x800x1920	940x990x2080	940x1140x2080

Egg Incubator

Designed for controlled incubation of eggs with regulated temperature and humidity.
Used in poultry and research facilities.

- Provides stable and controlled environmental conditions.
- Microprocessor-based temperature, humidity, and gas control.
- Uniform airflow ensures consistent chamber conditions.
- Stainless steel inner chamber for hygiene and durability.
- Alarm systems for safety and process reliability.
- Used in microbiology, cell culture, and research labs.



Model		ML-EICB-88	ML-EICB-176	ML-EICB-352	ML-EICB-704	ML-EICB-880	ML-EICB-1056	ML-EICB-1232	ML-EICB-1584	ML-EICB-1848	ML-EICB-2112
Capacity (Qty)	Chicken	88	176	264	352	440	528	880	1056	1232	1584
	Turkeys/ Ducks/ Peacocks	63	126	189	252	315	378	630	756	882	1134
	Geese	32	64	96	128	160	192	320	384	448	576
	Pigeons	112	224	336	448	560	672	1120	1344	1568	2016
	Quail or Various Bird Eggs	221	442	663	884	1105	1326	2210	2652	3094	3978
Temperature Range	Temperature Range	0 - 50.0 (°C)									
Temperature Accuracy	Temperature Accuracy	± 0.1 (°C)									
Humidity	Range	0 - 99% RH									
	Accuracy	± 4% RH									
	Method	Internal									
	Sensor	High precision anti-condensation									
Egg Turning Time		Adjustable from 0 - 999 seconds (preset value is 180 seconds)									
Egg Turning Cycle		Adjustable from 0 - 99.9 hours (preset value is 1.5 hours)									
Ventilation Time		0 - 999 seconds (adjustable, preset value is 30 seconds)									
Ventilation Cycle		0 - 99.9 hours (adjustable, preset value is 2 hours)									
Controller		Microprocessor									
Display		LED									
Material	Internal	Color steel									
	External	Color steel									
Safety Device		Leakage protector									
Electricity		AC 110/220V, 50/60Hz									
	Consumption	100	150	150	160	180	180	260	300	300	500
N.W./G.W. (kg)		30/33	32/35	35/39	38/42	40/45	45/50	Aug-53	50/56	52/58	90/100
Shipping Size (WxDxH) (mm)		730x600x800	730x600x800	730x600x900	730x600x1100	730x600x1150	730x600x1250	1000x780x1300	1000x730x1450	1000x780x1500	1300x880x1600

pH Meter

Used for accurate measurement of acidity and alkalinity of solutions.
Commonly applied in chemical, pharmaceutical, and water testing labs.

- High-accuracy electrochemical measurement instruments.
- Digital calibration with memory storage.
- Portable and benchtop configurations available.
- Fast response and stable readings.
- Suitable for laboratory and field applications.

Widely used in water testing and analytical labs.



Model	ML-PH-30SP	ML-PH-30FP	ML-PH-30LP
pH			
Range	-1.00 to 15.00pH	-1.00 to 15.00pH	-1.00 to 15.00pH
Resolution	0.01pH	0.01pH	0.01pH
Accuracy	±0.01pH	±0.01pH	±0.01pH
Calibration Points	1 to 3 points	1 to 3 points	1 to 3 points
pH Buffer Options	USA(pH4.01/7.00/10.01) NIST(pH4.01/6.86/9.18)	USA(pH4.01/7.00/10.01) NIST(pH4.01/6.86/9.18)	USA(pH4.01/7.00/10.01) NIST(pH4.01/6.86/9.18)
Temperature			
Range	0 to 60°C/32 to 140°F	0 to 60°C/32 to 140°F	0 to 60°C/32 to 140°F
Resolution	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F	±1°C/±1.8°F	±1°C/±1.8°F
Offset Calibration	1 point	1 point	1 point
Calibration Range	Reading ±10°C	Reading ±10°C	Reading ±10°C
General Specifications			
Temperature Compensation	0 to 60°C/32 to 140°F, automatic	0 to 60°C/32 to 140°F, automatic	0 to 60°C/32 to 140°F, automatic
Hold Function	Manual or auto-endpoint	Manual or auto-endpoint	Manual or auto-endpoint
Auto-Power Off	8 minutes after the last key is pressed	8 minutes after the last key is pressed	8 minutes after the last key is pressed
Display	Dual-line LCD (21×21mm)	Dual-line LCD (21×21mm)	Dual-line LCD (21×21mm)
Power	2×1.5V AAA batteries	2×1.5V AAA batteries	2×1.5V AAA batteries
Battery Life	Approximately 200 hours of continuous use	Approximately 200 hours of continuous use	Approximately 200 hours of continuous use
Sizes(W×D×H)(mm)	185(L)×40(Dia.)	185(L)×40(Dia.)	240(L)×40(Dia.)
Shipping Size (W×D×H)(mm)	330×150×280		
N.W./G.W. (kg)	0.1/1.5		

Conductivity Meter

Measures ionic conductivity of liquids to assess purity and concentration.

Widely used in water analysis and quality control laboratories.

·High-accuracy electrochemical measurement instruments.

·Digital calibration with memory storage.

·Portable and benchtop configurations available.

·Fast response and stable readings.

·Suitable for laboratory and field applications.

Widely used in water testing and analytical labs.



Model	ML-CMS-611	ML-CMP-311	ML-CMP-511
Measuring Range	Conductivity: (0.00~19.99)S/cm, (20.0~199.9)S/cm, (200~1999)S/cm, (2.00~19.99)mS/cm, (20.0~199.9)mS/cm, TDS: (0~100)g/L	Conductivity: (0.00~19.99)S/cm, (20.0~199.9)S/cm, (200~1999)S/cm, (2.00~19.99)mS/cm, (20.0~199.9)mS/cm, TDS: (0~100)g/L	Conductivity: (0.00~19.99)S/cm, (20.0~199.9)S/cm
	Salinity: (0~100)ppt	Salinity: (0~100)ppt	Salinity: (0~100)ppt
	Resistivity: (0~100)M·cm	Resistivity: (0~100)M·cm	Resistivity: (0~100)M·cm
Resolution	0.01/0.1/1S/cm; 0.01/0.1 mS/cm	0.01/0.1/1S/cm; 0.01/0.1 mS/cm	0.01/0.1/1S/cm; 0.01/0.1 mS/cm
Accuracy	±1.0% FS, Overall: ±1.5% FS	±1.0% FS, Overall: ±1.5% FS	±1.0% FS, Overall: ±1.5% FS
Temp. Compensation Range	(0~100) (Auto/manual)	(0~100) (Auto/manual)	(0~100) (Auto/manual)
Electrode Constant	0.1 / 1 / 10 cm ⁻¹	0.1 / 1 / 10 cm ⁻¹	0.1 / 1 / 10 cm ⁻¹
Data Storage	200 sets	200 sets	200 sets
Power	Two AA batteries (1.5V x2)	Two AA batteries (1.5V x2)	Two AA batteries (1.5V x2)
Shipping Size/G.W.	(340×270×50)mm/1Kg	(340×270×50)mm/1Kg	(340×270×50)mm/1Kg
Ambient Temperature	5~35 (0.01grade)	5~35 (0.01grade)	5~35 (0.01grade)
Ambient Humidity	85%	85%	85%
External Size	90x160x30mm	90x160x30mm	90x160x30mm
Shipping Size	475x300x55mm	475x300x55mm	475x300x55mm
Net /Gross Weight(kg)	0.2/1.2	0.2/1.2	0.2/1.2

TOC Analyzer

Measures total organic carbon content in water samples. Used in pharmaceutical, environmental, and semiconductor industries.

- High-accuracy electrochemical measurement instruments.
- Digital calibration with memory storage.
- Portable and benchtop configurations available.
- Fast response and stable readings.
- Suitable for laboratory and field applications.

Widely used in water testing and analytical labs.



Model	ML-TOC-1700	ML-TOC-3000	ML-TOC-A5000P	ML-TOC-A200
Display Screen	Color touch screen	Color touch screen	Color touch screen	Color touch screen
Conductivity Detection Range	0.055µs/cm-8.000µs/cm	0.055µs/cm-8.000µs/cm	0.055µs/cm-8.000µs/cm	0.055µs/cm-8.000µs/cm
Measure Range	0.001mg/L 1mg/L(11000ppb)	0.001mg/L 1mg/L(11000ppb)	0.001mg/L 1mg/L(11000ppb)	0.001mg/L 1mg/L(11000ppb)
Accuracy	±3%	±3%	±3%	±3%
RSD	Repeatability 3%	Repeatability 3%	Repeatability 3%	Repeatability 3%
Resolution	0.001mg/L	0.001mg/L	0.001mg/L	0.001mg/L
Response Time	60 seconds	60 seconds	60 seconds	60 seconds
Measuring Limit	0.001mg/L	0.001mg/L	0.001mg/L	0.001mg/L
Sample Temperature	1-100	1-100	1-100	1-100
Applied Range	Online	Online	Online	Online
Audit Trail Records	3years storage	3years storage	3years storage	3years storage
Authority Management	User name and password login	User name and password login	User name and password login	User name and password login
Print Function	External Printer	External Printer	External Printer	External Printer
Data Copy	USB disk to export the data	USB disk to export the data	USB disk to export the data	USB disk to export the data
Audit Trail Function	Optional	Optional	Optional	Optional
Power Supply	AC100-260V, 50/60Hz	AC100-260V, 50/60Hz	AC100-260V, 50/60Hz	AC100-260V, 50/60Hz
Consumption	120W	120W	120W	120W
Size(W×D×H)(mm)	300x210x250	300x210x250	300x210x250	300x210x250
Shipping Size(W×D×H)(mm)	310x450x460	310x450x460	310x450x460	310x450x460
N.W./G.W. (kg)	8.5/18.5	8.5/18.5	8.5/18.5	8.5/18.5

COD Analyzer

Used to determine chemical oxygen demand in water and wastewater samples.

Common in environmental testing laboratories.

- High-accuracy electrochemical measurement instruments.
- Digital calibration with memory storage.
- Portable and benchtop configurations available.
- Fast response and stable readings.
- Suitable for laboratory and field applications.

Widely used in water testing and analytical labs.



Model	ML-COD-1001	ML-COD-P1000	ML-COD-3AE
Measurement Method	Fast digestion spectrophotometry	Fast digestion spectrophotometry	Fast digestion spectrophotometry
Measuring Range	10-10000mg/L	10-10000mg/L	10-10000mg/L
Accuracy	5%	5%	5%
Resolution	0.01	0.01	0.01
Light Source	Imported Silicon Photodiode	Imported Silicon Photodiode	Imported Silicon Photodiode
Display	7-inch high-resolution 1024 x 600 touch screen	7-inch high-resolution 1024 x 600 touch screen	7-inch high-resolution 1024 x 600 touch screen
Output	USB (for data transfer)	USB (for data transfer)	USB (for data transfer)
Power	AC 220V/50Hz or AC 110V/60Hz	AC 220V/50Hz or AC 110V/60Hz	AC 220V/50Hz or AC 110V/60Hz
Ambient Temperature	(5-40) °C	(5-40) °C	(5-40) °C
Ambient Humidity	Relative humidity 85% (No condensation)	Relative humidity 85% (No condensation)	Relative humidity 85% (No condensation)
Size/N.W.	460×380×200 mm/8kg	460×380×200 mm/8kg	460×380×200 mm/8kg
Shipping Size/G.W.	520x450x300mm/10kg	520x450x300mm/10kg	520x450x300mm/10kg
Standard Accessories	Sample bottle x 2 pcs, Power cord, Manual	Sample bottle x 2 pcs, Power cord, Manual	Sample bottle x 2 pcs, Power cord, Manual
External Size	450x370x190mm	450x370x190mm	450x370x190mm
Shipping Size	520x450x300mm	520x450x300mm	520x450x300mm
Net/Gross Weight (KG)	8-Jun	8-Jun	8-Jun

Dissolved Oxygen Meter

Determines dissolved oxygen levels in water samples. Essential for environmental monitoring and wastewater analysis.

- High-accuracy electrochemical measurement instruments.
- Digital calibration with memory storage.
- Portable and benchtop configurations available.
- Fast response and stable readings.
- Suitable for laboratory and field applications.

Widely used in water testing and analytical labs.



Model		ML-DOS-612	ML-DOP-512	ML-DOL-512
DO	Range	0-20.00 mg/L (ppm), 0-200.0 %		
	Accuracy/Resolution	± 0.30 mg/L; 0.01 or 0.1 mg/L		
	ATC Range	(0 - 50) automatically		
	Salinity Compensation	0~45 ppt manual		
	Barometric Compensation	0~200 kPa automatically		
mV (ORP Probe Optional)	Range	-1, 999mV ~+1, 999mV		
	Resolution	± 0.1/1mV		
	Accuracy	±0.03% FS ±1digit		
Temperature	Range	0-100°C		
	Resolution/Accuracy	0.1; ±0.2		
Data Storage	Data Storage	500groups		
Data Output	Data Output	1. USB to Flash Disk		
		2. USB to PC		
		3. Wireless connection to printer (the printer is optional)		
Power Supply	Power Supply	DC12V		
Packing Including	Packing Including	1. DO-B100T Meter		
		2. DO01-2M Polarographic DO probe, cable length: 2m		
		3. DOS-01 Membrane refill solution: 30mL, 1pc		
		4. DOSC Sensor caps: 3pcs/group, 1pkg		
		5. F01 Flexible probe holder: 1pc		
		6. Magnetic stirrer: 1pc		
		7. PC cable: 1pc		
		8. A01 Power adaptor		
Shipping Size (WxDxH)(mm)	Shipping Size (WxDxH)(mm)	430x600x130		
N.W. / G.W. (kg)	N.W. / G.W. (kg)	2.1 / 3		

Multiparameter Meter

Measures multiple parameters such as pH, conductivity, TDS, and DO.

Ideal for comprehensive water quality analysis.

- High-accuracy electrochemical measurement instruments.
- Digital calibration with memory storage.
- Portable and benchtop configurations available.
- Fast response and stable readings.
- Suitable for laboratory and field applications.

Widely used in water testing and analytical labs.



Model		ML-MPT-30
pH	Range	(-2.000-20.000) pH
	Resolution	0.01/0.1/0.001 pH
	Accuracy	±0.002 pH ± one digit
mV (ORP Probe Optional)	Range	-1,999mV - +1,999mV
	Resolution	± 0.1/1mV
	Accuracy	±0.03% FS ±1digit
Cond	Range	0-2000.0mS/cm (auto divided by range)
	Accuracy	±0.5%FS ± one digit
	ATC Range	0 - 50
DO	Range	0-20.00 mg/L(ppm), 0-200.0 %
	Accuracy/	± 0.30 mg/L; 0.01 or 0.1 mg/L
	Resolution	
	ATC Range	(0 - 50) automatically
	Salinity Compensation	0~45 ppt manual
Temperature	Barometric Compensation	0~200 kPa automatically
	Range	0-100°C
	Resolution/	0.1; ±0.2±1digit
	Accuracy	
Data Storage/Content		3000 groups (Serial number, Mode, Measuring value, Temp, Date: Y/M/D/H/M)
Data Export/Charging Port		Type-C - USB
PC Software Function		GLP measurement management
		Two-level user management
		The user's operation history log
		Meter usage management
		Automatically /manually timing data storage
Power Supply		Rechargeable Lithium battery × 1
Packing Including		1. Meter× 1
		2. POM DO electrode: DO01-2M-H × 1
		3. DO refill solution: 30mL× 1
		4. DO replacement sensor caps: 3pcs
		5. Plastic Cond electrode Con201T× 1 (K=1, PC housing, for general liquid test)
		6. Standard Cond solution: 84uS/1413uS/12.88mS/c, 50mL, one for each
		7. Plastic ATC pH electrode 201T-H× 1
		8. pH buffer solution: 4.00/7.00/10.01 50mL, one for each
		9. Type-C Charger Cable× 1
		10. Hard carrying case×1
Shipping Size (WxDxH)(mm)		370x410x140
N.W. / G.W. (kg)		2.1

ELISA Microplate Washer

Automates washing of microplates for ELISA procedures. Ensures consistent and reliable assay results.



Model	ML-EW-1
Input	8 key membrane keyboard
Display	High brightness LCD display screen
Manifold	8 pins and 12 pins
Wash Mode	Strip mode and plate mode
Wash Strips	1~12 adjustable
Applicable Well	Flat, V-bottom or U-bottom
Washing Times	0~99 times adjustable
Dipping Time	0~3600s adjustable
Shaking Time	0~600s adjustable
Residual Volume	1L/well
Liquid Volume	50~3000ul/well
Sipping Time	0.1~9.9s
Storage Capacity	More than 100 user defined wash board procedures
Power Supply	198~242V, 49~51Hz
Washing Fluid Channel	1
Sizes(W×D×H)(mm)	448x382x163
Shipping Size (W×D×H)(mm)	620x550x490
N.W./G.W. (kg)	16-Oct

ELISA Microplate Reader

Used for quantitative and qualitative analysis of samples in ELISA assays. Commonly used in diagnostic and research laboratories.



Model	ML-ER-1
Microplate Types	96/48-well plate
Photodetector	Silicon photodiode
Light Source	8v/50w controlled tungsten halogen lamp
Wavelength Range	400nm~800nm
Standard Filters	405, 450, 492, 630nm & 4 optional
Reading Range	0.000~4.000A
Resolution	0.001A
Accuracy	±0.008A
Reproducibility	0.2%
Stability	±0.003A
Reading Speed	Single wavelength3s; Double wavelength6s
Shaking	Linear shaking, 3 speeds
Printer	Built-in thermal printer, optional external printer
Interface Connections	2×USB-A, 1×USB-B, 1×RS-232, 1×Printer
Power Supply	100~240V, 50~60Hz
Sizes(W×D×H)(mm)	475×350×210
Shipping Size(W×D×H)(mm)	590×450×350
N.W./G.W. (kg)	13-Sep

Ice Flake Maker

- Precise temperature control for sample preservation.
 - Digital temperature display with alarm system.
 - Energy-efficient refrigeration technology.
 - Uniform cooling throughout the chamber.
 - Suitable for vaccines, blood, and laboratory samples.
- Widely used in medical and research facilities.



Model	ML-IFM-10	ML-IFM-15	ML-IFM-25	ML-IFM-40	ML-IFM-60
Ice Making Capacity (kg/24h)	20	30	40	50	60
Ice Storage (kg)	10	10	15	15	25
Ice Type	Irregular fine-grained				
Cooling Mode	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Refrigerant	R290	R290	R290	R290	R290
Electricity	AC110/220V±10%, 50/60Hz				
Consumption (W)	280	300	360	380	420
External Size (WxDxH) (mm)	330x480	330x480	400x543	400x543	400x510
	x605	x605	x700	x700	x845
Shipping Size (WxDxH) (mm)	465x59	465x595	520x665	520x665	520x630
	5x740	x740	x845	x845	x965

Halogen Moisture Analyzer

- Determines moisture content by rapid heating and weighing.
Widely used in food, pharmaceutical, and chemical industries.
- High precision weighing with fast stabilization time.
 - Digital calibration (internal or external options).
 - Overload protection and draft shield for accuracy.
 - Clear LCD display with multiple weighing units.
 - Robust construction for long-term use.
 - Essential for analytical and quality control laboratories.



Model	ML-HMA-50	ML-HMA-100
Capacity	50g	100g
Readability	0.005g	0.005g
Moisture Range	0~100%	
Accuracy for Moisture	±0.5% (Sample5g)	
Measure		
Moisture Readability	0.02%	0.02%
Repeatability	0.20%	0.20%
Interface	None	RS232 Interface
Scale Pan Size	100mm	
Heating Way	High efficiency halogen lamp	
Heating Time	1~99 minutes interval of 1 seconds	
Time End Control Mode	Auto Stop / Timed stop	
Sample Drying Record	8 times	
Temperature Range	60~160	
Temp.Increase Step	±1	
External Size (W×D×H)	205x325x170mm	
Shipping Size (W×D×H)	325x460x295mm	
Net Weight	2.9kg	
Gross Weight	4.9kg	

Semi-Micro Analytical Balance

- Provides high-precision weighing for laboratory samples. Ideal for pharmaceutical, chemical, and research applications
- High precision weighing with fast stabilization time.
- Digital calibration (internal or external options).
- Overload protection and draft shield for accuracy.
- Clear LCD display with multiple weighing units.
- Robust construction for long-term use.
- Essential for analytical and quality control laboratories.



Model	ML-TAB-220
Capacity (g)	51/120
Resolution (mg)	0.01/0.1
Repeat Ability (g)(mg)	±0.03/±0.1
Liner (g)(mg)	±0.03/±0.1
Operation Temp(°C)	10~30
Operating Humidity	20%~80% RH
Stable Time (Average)	2.5s/6s
Balance Time	30~60min
Scale Size	90mm
Power Supply	Standard: AC220V 50/60Hz; Optional: AC110V 50/60Hz
Output Power	DC12V 2A
Screen Size(mm)	180×100
Size(W×D×H)(mm)	470×310×320
Shipping Size	630×470×570
(W×D×H)(mm)	(W×D×H)(mm)
N.W./G.W. (kg)	15-Dec

Electronic Analytical Balance (Internal Calibration)

- Features built-in calibration for enhanced accuracy and convenience. Widely used in quality control and research labs.
- High precision weighing with fast stabilization time.
 - Digital calibration (internal or external options).
 - Overload protection and draft shield for accuracy.
 - Clear LCD display with multiple weighing units.
 - Robust construction for long-term use.
 - Essential for analytical and quality control laboratories.



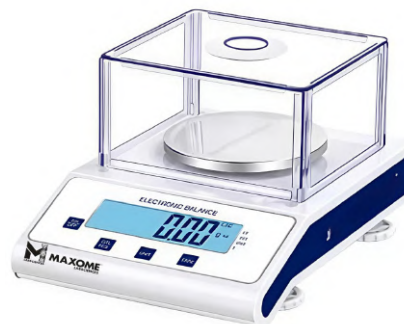
Model	ML-AB-201C	ML-AB-1201C	ML-AB-1751C	ML-AB-2201C
Capacity	100g	200g	300g	220g
Readability	0.0001g			
Calibration	Automatic, Internal Calibration			
Calibration Weight	100g	200g		
Scale Pan Size	80mm			
Stable Time	8s			
Linearity Error	±0.0003g			
Preheating Time	30min			
Working Temperature	15~25			
Power Supply	AC 220/110V, 50/60Hz			
Optional Accessory	Printer			
External Size (W×D×H)	360×205×330mm			
Shipping Size (W×D×H)	500×350×480mm			
Net Weight	6.5kg			
Gross Weight	7.6kg			

Electronic Analytical Balance (External Calibration)

Delivers accurate mass measurements with external calibration.

Suitable for routine analytical laboratory use.

- High precision weighing with fast stabilization time.
- Digital calibration (internal or external options).
- Overload protection and draft shield for accuracy.
- Clear LCD display with multiple weighing units.
- Robust construction for long-term use.
- Essential for analytical and quality control laboratories.



Model	ML-AB-20EC	ML-AB-120EC	ML-AB-175EC	ML-AB-200EC	ML-AB-220EC
Capacity	100g	120g	200g	220g	300g
Readability	0.0001g				
Calibration	External Calibration				
Calibration Weight	100g		200g		
Scale Pan Size	80mm				
Stable Time	5s				
Linearity Error	±0.0003g				
Preheating Time	30min				
Working Temperature	15~25				
Power Supply	AC 220/110V, 50/60Hz				
Optional Accessory	Printer				
External Size (W×D×H)	360×205×330mm				
Shipping Size (W×D×H)	500×350×480mm				
Net Weight	6.5kg				

Electronic Counting Scale

Counts small components based on weight measurement.

Ideal for inventory management and production laboratories.

- High precision weighing with fast stabilization time.
- Digital calibration (internal or external options).
- Overload protection and draft shield for accuracy.
- Clear LCD display with multiple weighing units.
- Robust construction for long-term use.
- Essential for analytical and quality control laboratories.



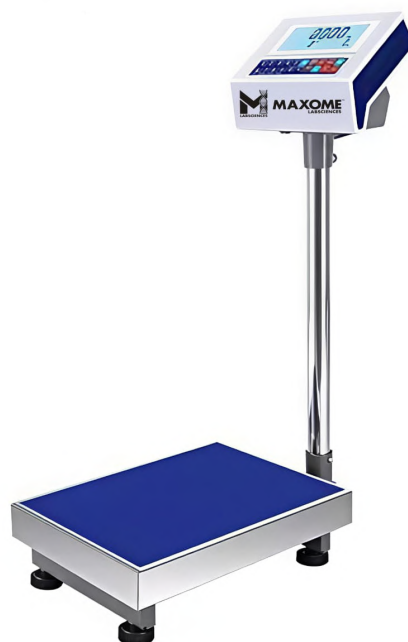
Model	ML-ECS-3000	ML-ECS-6000
Capacity	60kg	100kg
Readability	1g	1g
Linearity Error	±3g	±3g
Scale Pan Size	30x40cm	30x40cm
Stable Time	3s	
Power Supply	Rechargeable battery (4V/4Ah), AC/DC	
Optional Accessory	RS232 interface, printer	
External Size (W×D×H)(mm)	700x400x300	700x400x300
Shipping Size (W×D×H)(mm)	815x350x180	815x350x180
Net Weight	9.8kg	9.8kg
Gross Weight	10.5kg	10.5kg

Electronic Platform Scale

Used for weighing large and heavy samples. Common in warehouses, laboratories, and industrial environments.

- High precision weighing with fast stabilization time.
- Digital calibration (internal or external options).
- Overload protection and draft shield for accuracy.
- Clear LCD display with multiple weighing units.
- Robust construction for long-term use.
- Essential for analytical and quality control laboratories.

Model	ML-PS-500KG
Capacity	60kg
Readability	1g
Linearity Error	±3g
Scale Pan Size	30x40cm
Stable Time	3s
Power Supply	Rechargeable battery (4V/4Ah), AC/DC
Optional Accessory	RS232 interface, printer
External Size (W×D×H)(mm)	700x400x300
Shipping Size (W×D×H)(mm)	815x350x180
Net Weight	9.8kg
Gross Weight	10.5kg



Hot Air Oven

Provides uniform dry heat sterilization and material drying. Widely used for glassware sterilization in laboratories.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model		ML-HAO-45	ML-HAO-65	ML-HAO-125	ML-HAO-230	ML-HAO-625
Capacity(L)		30	50	70	140	240
Circulation		Forced air convection				
Size (WxDxH)	Internal(mm)	340x325x290	420x350x350	400x375x470	450x557x520	500x615x720
	External(mm)	490x520x690	770x640x650	540x550x870	600x740x920	650x800x1130
Temperature	Range()	Oven: 80-200				
		Incubator: RT+5-80				
	Fluctuation()	±0.5				
	Resolution()	0.1				
	Uniformity()	25%				
	Sensor	PT100				
Controller		PID				
Display		LCD				
Timer(min)		Jan-99				
Material	Internal	Stainless steel				
	External	Electro-galvanized steel with antimicrobial powder coating				
Shelves		2				
Test Hole (mm)		Optional 25, 50, 80				
Safety Device		Leakage protector/Over-temperature alarm				
Electricity	Voltage/Frequency	220/50V/Hz				
	Consumption(W)	550	850	1100	1500	2050
N. W./G.W.(kg)		40/55	42/45	55/75	70/85	85/110
Shipping Size (WxDxH)(mm)		620x630x830	810x640x600	670x660x1040	730x860x1080	780x920x1270
Optional		1. Independent temperature limiting controller				

Drying Oven

Used for drying, heating, and thermal processing of samples. Commonly applied in chemical, pharmaceutical, and research laboratories.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-DO-20	ML-DO-50	ML-DO-80	ML-DO-100	ML-DO-200	ML-DO-625
Capacity	45 L	50 L	50 L			
Temperature Range	RT+10-300°C	RT+20°C- 500°C	RT+20°C- 500°C			
Ambient Temperature	5-40°C	5-40°C	5-40°C			
Temperature Accuracy	±1°C	±0.5°C	±0.5°C			
Temperature Uniformity	±2°C(at 100°C), ±3.5°C(at 200°C)	0.1°C	0.1°C			
Temperature Resolution	±0.1°C	0~5999 min	0~5999 min			
Timer Range	1-9999 min	350Wx350Dx400H mm	350Wx350Dx400H mm			
Internal Dimension	350Wx350Dx350H mm	890Wx700Dx920H mm	890Wx700Dx920H mm			
Exterior Dimension	490Wx530Dx730H mm	2	2			
Package Size	630x600x820 mm	4050 W	4050 W			
Shelves	2	AC380 V 50 Hz	AC380 V 50 Hz			
Weight	37/45 kg					
Power	1200 W					
Power Supply	220V, 50Hz					

Muffle Furnace

Designed for high-temperature heating and ashing applications. Used in material testing, metallurgy, and analytical laboratories.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-MF-2	ML-MF-7	ML-MF-12	ML-MF-16
Max. Temp (°C)	1400			
Continuous Working Temp.	1300			
Heating Element	SiC heating rod			
Thermal Couple	S type			
Chamber Material	Alumina Ceramic fiber			
Heating Rate	0~30/min, suggest to be 10/min;			
Thermal Control Accuracy	±1			
Temperature Uniformity	±5			
Power Supply	AC 100V-415V, 50Hz/60Hz			
Max. Power	2KW	4KW	9KW	16KW
Chamber Size (WxDxH)(mm)	100x100x100	200x150x150	300x200x200	400x300x300
	Or customize as your requirement			
Exterior Size (WxDxH)(mm)	445x360x618	570x470x765	670x530x846	770x620x985
Packing Size (WxLxH)(mm)	817x580x467	775x640x1155	860x630x1170	750x960x1330
NW/GW (kg)	40/47	88/98	105/125	160/183

Automatic Bench Top Digital Autoclave

Compact autoclave with automated sterilization cycles.
Ideal for clinics, laboratories, and educational institutions.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-BPA-24	ML-BPA-30
Capacity	24L	29L
Door	Manual	Automatic
Display	5.0 inch Color touch screen	
Chamber Material	SUS304	
Sterilization Temperature	105~138	
Max.Working Temperature	134	
Temp.Uniformity	±1	
Designed Pressure	-0.1~0.3Mpa	
Timer Range	0~99min	
Sterilization Pressure	0.23Mpa	
Drying Function	Yes	
Drying Time	2min, 20min, 25min	
Pulse Times	1~5	
Sterilization Program	Fast 134	
	Fabric 134	
	Packaging Equipment 134	
	Enhanced Mode 134	
	Rubber Program 121	
	Packaging Equipment 121	
	DIY Program	
	HELIX/BD Test	
	Vacuum Test	
Evaporator	New generation evaporator	
Water Injection Method	Build in water tank	
Standard Sterilization Shelf	3pcs SS shelf	
Power Consumption	2700w	2800w
Power Supply	220V ±22V; 50/60Hz ±1Hz	
Chamber Size(ØxH)(mm)	Ø248x450	Ø320x362
External Size(WxDxH)(mm)	700x483x455	658x638x580
Net Weight	53kg	95kg

Vertical Autoclave

Steam sterilization equipment for laboratory instruments and media. Common in microbiology, clinical, and research labs.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-VAST-50	ML-VAST-80	ML-VAST-100
Capacity	50L	80L	100L
External Size (WxDxH)(mm)	476x616x990	546x688x1030	566x708x1295
Chamber Size (ØxH)(mm)	Ø316x667	Ø386x695	Ø400x800
Chamber Material	SUS304		
Sterilization Temperature	105~136		
Designed Temperature	150		
Max.Working Temperature	136		
Dissolution Temperature	40~100		
Warming Temperature	40~60		
Temp.Accuracy	0.1		
Designed Pressure	0.3 Mpa		
Max.Sterilization Pressure	0.23 Mpa		
Sterilization Time Range	0~99min		
Temp. Controller	PID control by microprocessor		
Display	LED display		
Drying Function	YES		
Drying Time	15min		
Sterilization Program	High temperature instrument program		
	Low temperature instrument program		
	Culture medium sterilization warming program		
	Culture medium dissolution warming program		
Water Injection Method	Manual		
Power Consumption	3KW	4.5KW	5.4KW
Power Supply	220V 50Hz	220V 50Hz	220V 50Hz
Standard SS Basket	2pcs	2pcs	2pcs
Net Weight	55kg	65kg	80kg
Gross Weight	90kg	100kg	120kg
Shipping Size (WxDxH)(mm)	730x700x1250	800x770x1300	800x770x1480

Horizontal Autoclave

High-capacity sterilization system for large laboratory loads. Commonly used in hospitals and industrial laboratories.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-HAST-150	ML-HAST-200	ML-HAST-300	ML-HAST-400
Volume (L)	150	200	300	400
Steam Consumption (KG)	12	13	18	22
Water Consumption (KG)	30	30	40	40
Power (KW)	2+	2+	2+	2+
Chamber Size (ØxL)(mm)	Ø472x880	Ø472x1150	Ø620x995	Ø620x1320
Sizes (WxDxH)(mm)	1290x690x1680	1560x690x1680	1430x850x1760	1755x850x1760
Shipping Size (WxDxH)(mm)	1570x840x1850	1740x840x1850	1610x990x1900	1935x990x1900
N.W./G.W. (kg)	400/500	450/550	510/610	650/750
Design Pressure	-0.1~0.25Mpa			
Design Temperature	139			
Working Pressure	0.225Mpa			
Working Temperature	105-136			
Temp Accuracy	±1			
Temperature Equilibrium	<+2.0			
Water Pressure	0.1-0.2Mpa			
Compressed Air Pressure	0.4~0.7Mpa			
Steam Pressure	0.3-0.7Mpa			
Power Voltage	Three-phase five-wire AC 380V 50Hz			

Portable Autoclave (Gas & Electric Heating)

Used for sterilization in field and remote laboratory conditions. Suitable for medical and research applications.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-PAEG-10	ML-PAEG-20	ML-PAEG-25
Volume	18L	24L	10L
Power	2.0KW	2.0KW	2.0KW
Voltage	AC220V, 50Hz		AC220V, 50Hz
Rated Working Pressure	0.142Mpa		0.142Mpa
Temp Accuracy	±1		±1
Rated Working Temperature	126		126
Chamber Volume	Ø280x295	Ø280x390	Ø280x295
Shipping Size(WxDxH)(mm)	420x420x430	420x420x540	420x420x430
N.W./G.W. (kg)	15/16	16/18	15/16

PCR Cabinet

Designed to prevent contamination during PCR setup.

Equipped with HEPA filtration and UV sterilization.

- Provides clean and safe working environment.

- HEPA filtration ensures particle-free airflow.

- Ergonomic design with low noise operation.

- UV and fluorescent lighting options.

- Complies with international safety standards.

Used in microbiology, pharmaceutical, and clinical labs.



Model		ML-PCRC-610
External Size (WxDxH)(mm)		710 x 680 x 1050 (Without Base Stand)
		710 x 680 x 1680 (With Base Stand)
Internal Size (WxDxH)(mm)		610x590x625
Work Surface Height		750mm
Control System	Display	Microprocessor controller with LCD display, display the operating status of each function
	Alarm	Audio and visual alarm on filter and UV changing
	Interlock	Front sliding sash interlock with fan and UV lamp
	Life Indicator	HEPA filter and UV life indicators facilitate a timely replacement plan
Airflow System	Airflow Velocity	0.2~0.5m/s, Speed adjustable
Air filtration System	Pre-Filter	1pcs, Polyester fiber,washable
	HEPA Filter	1 pcs, Efficiency: > 99.995% at particle size of 0.3m
	Cleanliness Grade	ISO Class 5 (formerly Class 100)
	Partial air circulation	Perforations at the back wall of the work zone which are designed to eliminate air turbulence and the possibility of dead air corners in the work zone.
Cabinet Construction	Main Body	Electro-Galvanized steel with antimicrobial powder coating
	Work Surface	304 Stainless steel, an angled front, rounded work surface front edge
	Front Window	Manual sliding sash: 5 mm UV resistant tempered glass
Electrical System	UV Lamp	10W×2
		With timing function from 0 to 999 minutes
		Interlock with front sliding sash.
		Emission of 253.7 nanometers for best sterilization effect.
	LED Lamp	8W×2
	Consumption	149W (Not include socket loading power consumption)
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz
Illumination	Illumination	500Lux
Sound Emission	Sound Emission	62dB(A)
Standard Accessory	Standard Accessory	1. LED Lamp×2; 2. UV Lamp×2; 3. Waterproof Socket×1; 4. Shelves with IV Bar
Optional Accessory	Optional Accessory	1. Base stand; 2. Gas Tap
Net Weight	Net Weight	80kg (Without base stand), 130kg (With base stand)
Gross Weight	Gross Weight	115kg (Without base stand), 165kg (With base stand)
Shipping Size (W×D×H)(mm)	Shipping Size (W×D×H)(mm)	920x855x1190
Shipping Volume	Shipping Volume	0.94m3

Ducted Fume Hood

Safely removes hazardous fumes and vapors from the workspace.

Used in chemical and industrial laboratories.

·Provides clean and safe working environment.

·HEPA filtration ensures particle-free airflow.

·Ergonomic design with low noise operation.

·UV and fluorescent lighting options.

·Complies with international safety standards.

Used in microbiology, pharmaceutical, and clinical labs.



Model	ML-DF-80	ML-DF-100	ML-DF-130	ML-DF-180
External Size (WxDxH)(mm)		800x620x1130 (Without Base Stand); 800x620x1800 (With Base Stand)		
Internal Size (WxDxH)(mm)		780x540x775		
Max.Opening		650mm		
Operation Surface Height		690mm		
Control System		7-inch color touch screen, real-time display air velocity, VOC concentration, temperature and humidity, and filter life time etc		
Airflow System		0.4-0.6m/s, speed adjustable		
Air filtration System	Airflow Velocity	1pcs Pre-filter, Polyester fiber,washable		
	Filter	1pcs Active Carbon filter		
Cabinet Construction		Electro-galvanized steel with antimicrobial Powder Coating		
	Main Body	304 Stainless Steel, Max.loading of worksurface: 70kg		
	Work Surface	Manual acrylic window		
Electrical System	Front Window	16W×1		
	LED Lamp	DC Centrifugal blower, adjustable speed, low noise		
	Blower	60W		
	Consumption	220V±10%, 50/60Hz; 110V±10%, 60Hz		
Sound Emission	Power Supply	50dB(A)		
Standard Accessory		1. Active Carbon Filter×1; 2. Pre-Filter×1; 3. LED Lamp×1		
Optional Accessory		1. Base Stand; 2. Base Cabinet; 3. HEPA Filter; 4. Chemical filter; 5. Upgraded LED Lamp; 6. Solid Physicochemical Board Work Surface		
Net Weight		96kg		
Gross Weight		138kg		
Shipping Size (WxDxH)(mm)		1160×840×1320		
Shipping Volume		1.3m3		

Horizontal Laminar Flow Cabinet

High-capacity sterilization system for large laboratory loads. Commonly used in hospitals and industrial laboratories.

- Reliable thermal processing with uniform temperature distribution.
- Digital controllers with programmable settings.
- High-quality insulation for energy efficiency.
- Safety interlocks and alarms for operator protection.
- Suitable for drying, sterilization, and heat treatment.
- Used in research, medical, and industrial labs.



Model	ML-LAF-H1100	ML-LAF-H1300
External Size (W×D×H)(mm)	1100×750×1750	1300×750×1750
Internal Size (W×D×H)(mm)	1020×510×620	1220×510×620
Work Surface Height	750mm	
Control System	Microprocessor controller with LCD display, display the operating status of each function	
Airflow System	0.2~0.5m/s, speed adjustable	
Air filtration System	1pcs, Polyester fiber, washable	
	1 pcs, Efficiency: > 99.995% at particle size of 0.3μm	
	ISO Class 5 (formerly Class 100)	
Cabinet Construction	Electro-galvanized steel with antimicrobial powder coating	
	304 Stainless steel	
	5 mm UV resistant tempered glass	
Electrical System	20W×1	30W×1
	With timing function, Interlock with LED lamp, blower, Socket. Emission of 253.7 nanometers for best sterilization effect.	
	6.5W×1	9.6W×1
	160W	170W
	Not include socket loading power consumption	
	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Illumination	900Lux	
Sound Emission	65dB(A)	
Standard Accessory	1. Base Stand; 2. LED Lamp; 3. UV Lamp; 4. Waterproof Socket×2; 5. Footmaster Caster	
Optional Accessory	1. Air Velocity Sensor; 2. IV Bar with Hooks	
Net Weight (kg)	150	170
Gross Weight (kg)	210	230
Shipping Size (W×D×H)(mm)	1240×930×1255	1440×930×1255
Shipping Volume (m³)	1.45	1.7

Vertical Laminar Flow Cabinet

Ensures clean air flow with vertical HEPA filtration. Suitable for aseptic operations in research and medical labs.

- Provides clean and safe working environment.
- HEPA filtration ensures particle-free airflow.
- Ergonomic design with low noise operation.
- UV and fluorescent lighting options.
- Complies with international safety standards.

Used in microbiology, pharmaceutical, and clinical labs.



Model		ML-LAF-V1300	ML-LAF-1600
External Size (WxDxH)(mm)		1050x805x1950	1320x805x1950
Internal Size (WxDxH)(mm)		950x490x574	1220x490x574
Work Surface Height		750mm	
Control System	Display	Microprocessor controller with LCD display, display the operating status of each function	
	Interlock	Front sliding sash interlock with fan and UV lamp	
	Life Indicator	HEPA filter and UV life indicators facilitate a timely replacement plan	
Airflow System	Airflow Velocity	0.2~0.5 m/s, speed adjustable	
Air filtration System	Pre-Filter	1pcs, Polyester fiber, washable	
	HEPA Filter	1 pcs, Efficiency: > 99.995% at particle size of 0.3μm	
	Cleanliness Grade	ISO Class 5 (formerly Class 100)	
Cabinet Construction	Main Body	Electro-Galvanized steel with antimicrobial powder coating	
	Work Surface	304 Stainless steel	
	Front Window	Manual sliding sash: 5 mm UV resistant tempered glass with counter-balance system and ergonomic handle	
	Side window	5 mm UV resistant tempered glass	
Electrical System	UV Lamp	20W×130W×1	
		With timing function from 0 to 999 minutes, Interlock with front sliding sash.	
		Emission of 253.7 nanometers for best sterilization effect.	
	LED Lamp	6.5W×19.6W×1	
	Consumption	160W/170W	
		Not include socket loading power consumption	
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz	
Illumination		900Lux	
Sound Emission		65dB(A)	
Standard Accessory		1. Base Stand; 2. LED Lamp; 3. UV Lamp; 4. Waterproof Socket×2	
Optional Accessory		1. Gas Tap; 2. IV Bar with Hooks	
Gross Weight (kg)		220	260
Shipping Size (W×D×H)(mm)		1190x1010x1425	1460x1010x1425
Shipping Volume (m3)		1.7	2.3

Biological Safety Cabinet – Class II B2

Offers personnel, product, and environmental protection. Widely used in microbiology and clinical laboratories.

- Provides clean and safe working environment.
- HEPA filtration ensures particle-free airflow.
- Ergonomic design with low noise operation.
- UV and fluorescent lighting options.
- Complies with international safety standards.

Used in microbiology, pharmaceutical, and clinical labs.



Model		ML-BSC-IIB2-1100	ML-BSC-IIB2-1400	ML-BSC-IIB2-1500	ML-BSC-IIB2-1800
External Size (WxDxH)(mm)		1050×780×2130	1400×780×2130	1500×780×2130	1800×780×2130
Internal Size (WxDxH)(mm)		950×626×600	1300×626×600	1400×626×600	1700×626×600
Tested Opening		Safety height 200mm (8")			
Max.Opening		400mm			
Work Surface Height		800mm			
Control System	Display	LCD touch screen			
	Alarm	Abnormal airflow velocity, ULPA filter failure, UV lamp failure, Front window at unsafe height			
Airflow System	Airflow Mode	70% air recirculation, 30% air exhaust			
	Downflow Velocity	0.35m/s±0.025m/s			
	Inflow Velocity	0.52m/s±0.025m/s			
	Inflow Air Volume	355m³/h (209CFM)	486m³/h (286CFM)	524m³/h (309CFM)	636m³/h (375CFM)
	Downflow Air Volume	718m³/h (423CFM)	983m³/h (579CFM)	1058m³/h (623CFM)	1285m³/h (757CFM)
	Exhaust Air Volume	355m³/h (209CFM)	524m³/h (309CFM)	524m³/h (309CFM)	636m³/h (375CFM)
Air filtration System	ULPA Filter	2pcs ULPA filter, 99.9995% efficiency at 0.1~0.3 μm, filter life indicator			
	Cleanliness Grade	Class 100 (ISO14644.1 Class 5)			
Cabinet Construction	Main Body	Electro-galvanized steel with antimicrobial Powder Coating			
	Work Surface	304 stainless steel			
	Front Window	Motorized, Two-layer laminated toughened glass 5mm. Anti UV.			
Electrical System	UV Lamp	20Wx1	30Wx1	20Wx2	20Wx2
		Emission of 253.7 nanometers for most efficient decontamination, UV life indicator, UV timer.			
	LED Lamp	16Wx2	20Wx2		
	Max.Consumption	750W (Not include socket loading power consumption)			
	Fan power	650W			
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz			
Illumination		1000Lux			
Sound Emission		60dB(A)			
Net Weight (kg)		224	263	290	370
Gross Weight (kg)		266.5	313	380	495
Shipping Size (WxDxH)(mm)		1100x1080x1700	1550x1120x1710	1650x1120x1710	1950x1120x1710
Shipping Volume (m³)		2.3	3	3.2	3.7

Biological Safety Cabinet– Class II A2

Provides total exhaust protection for hazardous biological work.

Ideal for handling toxic and infectious materials.

·Provides clean and safe working environment.

·HEPA filtration ensures particle-free airflow.

·Ergonomic design with low noise operation.

·UV and fluorescent lighting options.

·Complies with international safety standards.

Used in microbiology, pharmaceutical, and clinical labs.



Model		ML-BSC-IIA2-1100	ML-BSC-IIB2-1400	ML-BSC-IIB2-1400	ML-BSC-IIB2-1500	ML-BSC-IIB2-1800
External Size (W×D×H)(mm)		1050×780×2130	1400×780×2130	1400×780×2130	1500×780×2130	1800×780×2130
Internal Size (W×D×H)(mm)		950×626×600	1300×626×600	1300×626×600	1400×626×600	1700×626×600
Tested Opening		Safety height 200mm (8")				
Max.Opening		400mm				
Work Surface Height		800mm				
Control System	Display	7" LCD touch screen				
	Alarm	Abnormal airflow velocity, ULPA filter failure, UV lamp failure, Front window at unsafe height				
Airflow System	Airflow Mode	70% air recirculation, 30% air exhaust				
	Downflow Velocity	0.35m/s±0.025m/s				
	Inflow Velocity	0.52m/s±0.025m/s				
	Inflow Air Volume	355 m³/h (209CFM)			524m³/h (309CFM)	1285m³/h (757CFM)
	Downflow Air Volume	718 m³/h (423CFM)			1058m³/h (623CFM)	636m³/h (375CFM)
Air filtration System	Exhaust Air Volume	355 m³/h (209CFM)				
	ULPA Filter	2pcs ULPA filter, 99.9995% efficiency at 0.1~0.3 μm, filter life indicator				
	Cleanliness Grade	Class 100 (ISO14644.1 Class 5)				
Cabinet Construction	Main Body	Electro-galvanized steel with antimicrobial Powder Coating				
	Work Surface	304 stainless steel				
	Front Window	Motorized, Two-layer laminated toughened glass 5mm. Anti UV.				
Electrical System	UV Lamp	20W×1	30W×1	30W×1	30W×1	20W×2
		Emission of 253.7 nanometers for most efficient decontamination, UV life indicator, UV timer.				
	LED Lamp	16W×2	20W×2	20W×2	20W×2	370
	Max.Consumption	750W (Not include socket loading power consumption)				
	Fan power	650W				
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz				
Illumination		1000Lux				
Sound Emission		60dB(A)				
Net Weight (kg)		224	263	263	290	495
Gross Weight (kg)		266.5	313	313	380	
Shipping Size (W×D×H)(mm)		1100×1080×1700	1550×1120×1710	1550×1120×1710	1650×1120×1710	1950×1120×1710
Shipping Volume (m³)		2.3	3	3	3.2	3.7

2-8°C Medical Refrigerator (Single Door)

Maintains stable temperature for storage of medicines and samples. Used in hospitals, laboratories, and pharmacies.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model		ML-VMRG-230S	ML-VMRG-310S	ML-VMRG-310S	ML-VMRG-415S
Capacity (L)	Capacity (L)	226	312	312	316
Size(WxDxH)(mm)	Internal	534x406x1150	560x485x1350	560x485x1350	540x425x1380
	External	625x594x1707	650x624x1902	650x624x1902	660x555x1915
Temperature	Range () at RT.10~32	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)
	Sensor	NTC	NTC	NTC	NTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R600a (CFC Free)	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)
	Defrost	Auto	Auto	Auto	Auto
	China Compressor	1	1	1	1
	(Qty)				
Display		Digital display	Digital display	Digital display	Digital display
Audible & Visible Alarm	Standard	High/Low temperature, door ajar			
	Power Failure Backup System (Alarm)	8h	8h	8h	8h
Material	Internal	Blister liner	Blister liner	Blister liner	Electro-galvanized steel with antimicrobial powder coating

2-8°C Medical Refrigerator (Double Door)

Provides larger storage capacity with uniform cooling. Suitable for laboratories and medical storage facilities.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model	ML-VMRG-6600	ML-VMRG-10000	ML-VMRG-15000
Capacity (L)	316	416	416
Size(WxDxH)(mm)	540x425x1380	685x429x1380	685x429x1380
	640x554x1925	785x552x1927	785x552x1927
Temperature	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)
	NTC	NTC	NTC
	Microprocessor	Microprocessor	Microprocessor
Cooling System	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)
	Auto	Auto	Auto
	1	1	1
Display	Digital display	Digital display	Digital display
Audible & Visible Alarm	Audible & Visible Alarm		
	72h	72h	8h
Material	Electro-galvanized steel with antimicrobial powder	Electro-galvanized steel with antimicrobial powder	Electro-
	coating	coating	galvanized
			steel with antimicrobial
			powder
			coating

4°C Blood Bank Refrigerator

Designed for safe storage of blood and blood components. Commonly used in blood banks and hospitals.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model		ML-BBR-310
Capacity (L)		108
Bloodbags (450ml)(Qty)		66
Size (WxDxH)	Internal (mm)	432x462x478
	External (mm)	540x630x1030
Temperature	Range (°C) at RT. 10~32	4±1
	Sensor	NTC
	Controller	Micro-
		processor
Cooling System	Refrigerant	R134a (CFC Free)
	Defrost	Auto
	Compressor (Qty)	EMBRACO/1
Display		Digital display
Audible & Visible Alarm		High/Low temperature, High ambient temperature, Sensor error, Low battery, Power failure backup system(alarm)(72h)
Material	Internal	Stainless steel, grade 304
	External	Electro-galvanized steel with antimicrobial powder coating
Accessories	USB Port	Standard
	Casters	Standard
	Test Hole(Qty) / Diameter (mm)	25-Jan
Shelves / Drawers (Qty)		Shelves/2
Sound Emission (dB)		49.6
Electricity	Voltage/ Frequency	AC110/220V & plusmn; 10%, 50/60Hz
	Consumption (W)	175
N.W./G.W. (Kg)		74/95
Shipping Size (WxDxH)(mm)		700x585x1200

-25°C Vertical Freezer

Provides efficient frozen storage with vertical design. Suitable for clinical and pharmaceutical laboratories.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model		ML-MF2-V410	ML-MF2-V608	ML-MF2-V708
Capacity (L)		408	608	708
Size(WxDxH)	Internal (mm)	550x630x1140	700x680x1255	850x735x1170
	External (mm)	850x960x1860	940x980x1920	1090x1010x1860
Temperature	Range (	-5~-25 adjustable	-5~-25 adjustable	-5~-25 adjustable
	Sensor	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	Mixed with CFC free	Mixed with CFC free	Mixed with CFC free
	Defrost	Manual	Manual	Manual
	Compressor (Qty)	SECOP/2	SECOP/2	SECOP/2
Display		LED	LED	LED
Audible&	High/Low Temperature	Standard	Standard	Standard
Visible Alarm	Abnormal	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Ring Temperature			
	Sensor Failure	Standard	Standard	Standard
	Condenser Dirty	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Blockage			
	Low battery	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Power Failure	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Door Ajar	Optional (LCD)	Optional (LCD)	Optional (LCD)
Material	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	Inner Door	304 stainless steel	304 stainless steel	304 stainless steel
	Casters	Standard	Standard	Standard
	Temperature Recorder	Optional	Optional	Optional
	Test Hole (Qty) /	18-Jan	18-Jan	18-Jan
Shelves / Drawers (Qty)		Shelves / 3	Shelves / 3	Shelves / 3
Sound Emission (dB)		60	60	60
Electricity	Voltage / Frequency	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz
	Consumption (W)	350	720	760
N.W. / G.W. (kg)		200/230	265/295	285/315
Shipping Size (WxDxH) (mm)		930x1060x2010	1020x1080x2070	1170x1110x2010

-25°C Horizontal Freezer

Used for frozen storage of biological and chemical samples.
Ideal for laboratories and research facilities.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model		ML-MF225-H105	ML-MF225-H485	ML-MF225-H305
Capacity (L)		220	420	310
Size (WxDxH)	Internal (mm)	960x470x600	1480x470x680	960x470x600
	External (mm)	1160x765x885	1680x765x985	1160x765x885
Temperature	Range (	-15 ~ -45, adjustable	-15 ~ -45, adjustable	-15 ~ -45, adjustable
	Sensor	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	Mixed with CFC free	Mixed with CFC free	Mixed with CFC free
	Defrost	Manual	Manual	Manual
	Compressor (Qty)	SECOP/1	SECOP/1	SECOP/1
Display		LED	LED	LED
Audible & Visible Alarm	High/Low Temperature	Standard	Standard	Standard
	Sensor Failure	Standard	Standard	Standard
Material	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	Inner Door	304 stainless steel	304 stainless steel	304 stainless steel
	Castors	Standard	Standard	Standard
	Temperature Recorder	Optional	Optional	Optional
	Test Hole (Qty) /	18-Jan	18-Jan	18-Jan
	Diameter (mm)			
Shelves / Drawers (Qty)		\	\	\
Sound Emission (dB)		60	60	60
Electricity	Voltage / Frequency	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz
	Consumption (W)	380	480	380
N.W. / G.W. (kg)		106/136	146/176	106/136
Shipping Size (WxDxH) (mm)		1260x845x1035	1780x845x1135	1260x845x1035

-40°C Horizontal Freezer

Designed for deep freezing of samples requiring lower temperatures.

Used in research and industrial laboratories.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model	ML-MF240-H105	ML-MF240-H220	ML-MF240-H310
Capacity (L)	420		
Size (WxDxH)	1480x470x680	1480x470x680	
	1680x765x985	1680x765x985	
Temperature	-15 ~ -45, adjustable	-15 ~ -45, adjustable	
	PTC	PTC	
	Microprocessor	Microprocessor	
Cooling System	Mixed with CFC free	Mixed with CFC free	
	Manual	Manual	
	SECOP/1	SECOP/1	
Display	LED	LED	
Audible & Visible Alarm	Standard	Standard	
	Standard	Standard	
Material	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	
	304 stainless steel	304 stainless steel	
	Standard	Standard	
	Optional	Optional	
	18-Jan	18-Jan	
Shelves / Drawers (Qty)	\	\	
Sound Emission (dB)	60	60	
Electricity	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz	
	480	480	
N.W. / G.W. (kg)	146/176	146/176	
Shipping Size (WxDxH) (mm)	1780x845x1135	1780x845x1135	

-86°C Ultra-Low Temperature Freezer

Used for long-term storage of sensitive biological samples. Essential for biobanks and advanced research labs.

- Precise temperature control for sample preservation.
- Digital temperature display with alarm system.
- Energy-efficient refrigeration technology.
- Uniform cooling throughout the chamber.
- Suitable for vaccines, blood, and laboratory samples.

Widely used in medical and research facilities.



Model		ML-ULMF286-V410	ML-ULMF286-V590	ML-ULMF286-V730	ML-ULMF286-V840
Capacity (L)		408	588	728	838
Size(WxDxH)(mm)	Internal	606x575x1180	606x738x1310	963x571x1350	894x718x1310
	External	891x992x1945	891x1155x1994	1248x975x1994	1179x1135x1994
Temperature	Range () at Room Temperature 10~32	-40~-86	-40~-86	-40~-86	-40~-86
	Sensor	PTC	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)
	Defrost	Manual	Manual	Manual	Manual
	Compressor (Qty)	SECOP/2	SECOP/2	SECOP/2	SECOP/2
Display		LCD display	LCD display	LCD display	LCD display
Audible & Visible Alarm		High/Low temperature, high ambient temperature, sensor error, abnormal voltage, low battery, door ajar, 72h power failure backup system (alarm)			
Material	Internal	Stainless steel, grade 304			
	External	Electro-galvanized steel with antimicrobial powder coating			
	Inner Door	Stainless steel, grade 304			
Accessories	Standard	USB port, casters, remote alarm port,			
		25mm test hole			
	Optional	Data logger, back up system (CO/LN)			
Shelves / Drawers (Qty)		Shelves/3	Shelves/3	Shelves/3	Shelves/3
Optional Frozen Racks (Qty)	Racks	8(5x4)+8(4x4)	16(5x5)	18(5x4)+6(6x4)	18(5x4)+6(6x4)
	Boxes (2 Inches)	288	400	504	600
	Samples (2ml)	28800	40000	50400	60000
Sound Emission (dB)		53	5	55	55
Electricity	Voltage/Frequency	AC110/220V±10%, 50/60Hz			
	Consumption (W)	1350	1500	1400	1700
N.W./G.W. (kg)		285/310	303/332	380/400	391/424
Shipping Size (WxDxH)(mm)		954x955x2094	970x1138x2185	1320x970x2185	1262x1098x2185

Refractometer

Measures refractive index and concentration of liquids. Used in food, chemical, and clinical laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model	ML-RF-P01	ML-RF-P45	ML-RF-P92
Measuring Range	0-45%	58-92%	58-92%
Resolution	Sugar (Brix) 0.1% temperature 0.1°C		
Accuracy	Sugar (Brix) $\pm 0.2\%$ temperature $\pm 0.5^\circ\text{C}$		
Temperature Compensation	9.9°C-99.9°C (Automatic temperature compensation)		
Sample Volume	0.3 ml		
Respond Time	3 s		
Power Supply	AAA*2		
Battery Life	About 8000 times		
Shipping Size(W×D×H)(mm)	190x120x85		
N.W./G.W. (kg)	0.3/1		

Melting Point Apparatus

Determines melting point of substances for purity analysis. Widely used in pharmaceutical and chemical laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model	ML-MPT-1	ML-MPA-50	ML-MPA-70	ML-MPA-90
Melting Point Test Range	From room temperature to 270°C			
Heating Rate	Four levels 0.5°C/min; 1°C/min; 1.5°C/min; 3.0°C/min			
Deviation of Linear Heating Rate	<5%			
Temperature Transfer Medium	Methyl silicone oil			
Liquid Cup for Temperature Transfer	250ml beaker in tall form			
Melting Point Test Precision	Less than 200°C not more than $\pm 0.5^\circ\text{C}$; more than 200°C not more than $\pm 1.0^\circ\text{C}$			
Indicating Value Resolution	0.1 °C			
Operational Environment Temperature	18°C-28°C			
Interface	Standard serial printing interface, with its own micro-printer.			
Power Supply	AC220/110V; 50/60Hz			
Size(W×D×H)(mm)	200x320x305			
Shipping Size(W×D×H)(mm)	430x320x450			
G.W. (kg)	10			

Flash point tester

Used to determine the flash point of flammable liquids under controlled conditions.

Commonly applied in petroleum, chemical, and quality control laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model	ML-FPT-3536D	ML-FPT-261D
Flash Point Determination	Range: Ambient to 230	
	Accuracy: 0.1	
Heating Rate	Procedure A: (56)/min	
	Procedure B: (11.5)/min	
	Procedure C: (3.0±0.5)/min	
Stirring Rate	Procedure A and C: (90120)RPM	
	Procedure B: (250±10)RPM	
	Automatic control and manually adjustable	
Igniting Mode	1. Electric ignition	
	2. Diameter of igniter : 0.7mm0.8mm	
Data Transmission Mode	Bluetooth	
Suitable Temperature	Ambient temperature : (1535)	
	Relative humidity 85%	
Power Supply	AC(220±5%)V, 50Hz	
Total Power Consumption	600W	
Size(W×D×H)(mm)	510x320x330	
Net Weight	20kg	
Package Size(W×D×H)(mm)	690x520x610	
Gross Weight	35kg	

Turbidimeter

- Measures turbidity or cloudiness of liquids to assess suspended particles.
Commonly used in water treatment, environmental monitoring, and laboratory analysis.
- Designed for precise tissue processing and slide preparation.
 - Automated and semi-automated operation for efficiency.
 - Consistent and reproducible results.
 - User-friendly interface with safety features.
 - Robust construction for continuous laboratory use.



Model	ML-TB-B200	ML-TB-B6A	ML-TB-B6B	ML-TB-B185
Measuring Range (NTU)	01000 (Divided into four measuring ranges: 0-20; 20-100; 100-400; 400-1000)			
Accuracy	± 2 %			
Repeatability (F.S)	± 2 %			
Minimum Resolution (NTU)	0.01			
Sample Volume (ml)	15			
Calibration	Standard calibration solution			
Memory	50 standard curves and 1000 measured value,			
Output	will not be lost when the power is turned off USB communication interface			
Run continuously in the following environments half an hour after it is powered on:	Ambient temperature: 540			
	Ambient Humidity: 70%			
	Avoid direct exposure to strong light, no significant vibration and strong electromagnetic interference			
	Power supply: AC (220±10%)V; 50Hz			
Packing Contents List	main instrument ×1, colorimetric tubes×3, Lens hood×1, turbidity standard solution (60ml)×1, portable case×1, USB charging power supply×1, instruction manua×1, product certificate×1 and warranty card ×1.			
Power Supply	AC(220±10%)V; 50Hz			
Size (W×D×H)(mm)	80×230×55			
Shipping Size (W×D×H)(mm)	420×240×330			
N.W./G.W.(kg)	1/2.3			

Viscometer

Used to measure the viscosity of liquids accurately.

Commonly applied in

pharmaceutical, chemical, and food laboratories.

· Designed for precise tissue processing and slide preparation.

· Automated and semi-automated operation for efficiency.

· Consistent and reproducible results.

· User-friendly interface with safety features.

· Robust construction for continuous laboratory use.



Model	ML-VSC-1S	ML-VSC-4S	ML-VSC-5S	ML-VSC-8S	ML-VSC-1N	ML-VSC-2N	ML-VSC-3N	ML-VSC-A1N
Measuring Range (mPa·s)	20-100,000	20-2,000,000	20-100,000	20-2,000,000				
Rotating Speed	6, 12, 30, 60	0.3, 0.6, 1.5, 3, 6, 12, 30, 60	6, 12, 30, 60	0.3, 0.6, 1.5, 3, 6, 12, 30, 60				
(RPM)								
Number of Spindles	4 types(L1~L4)							
Accuracy	±5%(FS)(Newtonian Fluid)		±1%(FS) (Newtonian Fluid)					
Repeatability	±1%(FS)(Newtonian Fluid)		±0.5%(FS) (Newtonian Fluid)					
Power Supply	AC100~240V, 50/60Hz							
LCD Screen Display	The LCD screen can display the viscosity, speed, torque, spindle and the maximum viscosity can be measured in the current spindle speed value.							
L0 Spindle is for Option	1~100	1~2000	1~100	1~2000				
Measured Range (mPa·s)								
Shipping Size (WxDxH)(mm)	400x350x360							
G.W(kg)	9							

Polarimeter

- Used to measure optical rotation of optically active substances.
Common in pharmaceutical and chemical analysis.
- Designed for precise tissue processing and slide preparation.
 - Automated and semi-automated operation for efficiency.
 - Consistent and reproducible results.
 - User-friendly interface with safety features.
 - Robust construction for continuous laboratory use.



Model	ML-POL-A810	ML-POL-A850	ML-POL-A810P	ML-POL-A850P	ML-POL-D4
Measuring Range	±89.99°Arc; ±259°Z				±180°
Measuring Model	Optical Rotation; Specific Rotation; Concentration; Sugar Degree				1° 0.05°
Min. Reading	0.001°(optical rotation)				3X
Accuracy	±0.01° (-45°optical rotation+45°); ±0.02° (optical rotation-45° or optical rotation+45°)				Sodium lamp 589nm 50/100/200mm
Repeatability (Standard Deviation)	0.002°(optical rotation)				
Light Source	LED				
Wavelength	589.3nm				
Temperature Control	\	Peltier	\	Peltier	
Temperature Control Range	\	1050	\	1050	
Temperature Control Accuracy	\	0.3	\	0.3	
Temperature Resolution	\	0.1	\	0.1	
Communication Port	USB; RS232	USB×3, RS232, Wi-Fi	USB×3, RS232, Wi-Fi		
Data Storage	1000	8GB			
21CFR Part 11	No	Yes	Yes		
Tamper-proof Data Output	No				
Display	5.6-inch	8-inch			
Sample Cell	Up to 200mm				
Graphic	No	4 hours			
Power Supply Calibration (Rotation Value)	AC220V, 50Hz Optional				AC220/110V, 50/60Hz
Optional Parts	Sample tubes, including corrosion-resistant tubes or micro tubes				Glass sample tubes (100 and 200 mm), sealing rings, sodium lamp (built-in POL-D4)
Size(W×D×H)(mm)	708x330x297				500x135x330
Shipping Size (W×D×H)(mm)	850x450x440				630x230x430
N.W./G.W. (kg)	26/33				4/5.5

High-Purity Water Purification System

Produces ultra-pure water suitable for sensitive analytical and laboratory applications.

Commonly used in pharmaceutical, biotechnology, and research laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model		ML-WP-HP5	ML-WP-HP10	ML-WP-HP20	ML-WP-HP40	ML-WP-HP60	ML-WP-HP120
Water Output Speed		5L/H	10L/H	20L/H	40L/H	60L/H	120L/H
Max Water Flow Rate		1.5L/H					
Water Supply Requirement		Tap water or groundwater (4-40)					
		Source water pressure: 1.05.0kg/cm ²					
Production Pure Water Quality	Conductivity	5us/cm (25) Ordinary pure water					
Pure Water Quality	Resistivity	5~17 M·cm(25) high-purity water					
		15~17M·cm(25)					
Total Organic Carbon (TOC)		20ppb					
Microorganisms		1cfu/ml					
Online Conductivity Display		WP-HP Series: None					
		WP-HPC Series: Yes					
Shipping Size (WxDxH)(mm)		620x420x940					
N.W/G.W		40kg/50kg				50kg/60kg	60kg/70kg

Tissue Slide Stainer

Automates the staining of microscope slides for consistent and reproducible results.

Commonly used in pathology, histology, and diagnostic laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model	ML-TS-I	ML-TS-II	ML-TS-IV
Number of Processing chambers	14 (1 for rinsing, 1 for drying)	18 (1 for rinsing, 1 for drying)	6pcs slides in each holder, for continuous staining process
Single Chamber Capacity	1500 mL	750 mL	20pcs, (Repeat Station, Clean Bath can be set)
Processing Time per Station	0-59 min 59 sec (adjustable)		135ml
Dripping Time	adjustable within 0-30 s		Adjustable within 0 - 59 minutes and within 0 - 59 seconds
Temporary Rinse Time	0~59 seconds		10S
Number of Slides Processed Simultaneously	70 pcs	50 pcs	10pcs, with remind code for online faulty
Programmable	20 sets		AC220V±10% 50Hz / AC110V±10% 60Hz
Programmable Immersion Sequence	28-Jan	Jan-36	100W
Power Supply	AC100 V - 120 V / AC 220 V- 240 V 50 Hz / 60 Hz		840×450×550
Consumption	500 W		32/40
External Size (W×D×H)	1380×420×470 mm		
N.W.	70 kg	75 kg	

Tissue Center Embedding Station

Automates the staining of microscope slides for consistent and reproducible results.

Commonly used in pathology, histology, and diagnostic laboratories.

· Designed for precise tissue processing and slide preparation.

· Automated and semi-automated operation for efficiency.

· Consistent and reproducible results.

· User-friendly interface with safety features.

· Robust construction for continuous laboratory use.



Model		ML-TE-I	ML-TE-III	ML-TE-II	ML-TE-IV	ML-TE-V
Paraffin Chamber Capacity		3 L	5 L	3.2 L	6 L	6 L
Temperature Range	Forceps Holder	55-75 °C	RT - 99	0-99	RT - 85	0-99
	Paraffin Chamber					
	Left Thermal Chamber					
	Right Thermal Chamber					
	Working Table					
	Paraffin Distributor					
	Small Cooling Plate	/	-5	RT to -20	-5	30-90
Temperature Control Precision		±1	±1	/	±1	RT to -30
Paraffin Flow Control		Automatic soft-touch switch, foot switch	Automatic soft-touch switch, foot switch	± 0.1	Automatic soft-touch switch, foot switch	About 5
Fully Programmable ON/OFF Control		Allows automatic system start and stop anytime weekly	Allows automatic system start and stop anytime weekly	Manual and foot-operated dual control methods	Allows automatic system start and stop anytime weekly	± 0.1
Safety Protection		Double overheat protection device	Double overheat protection device	Allows automatic system start and stop anytime weekly	Double overheat protection device	Manual and foot-operated dual control methods
Automatic Memory Recovery Function		Yes	Yes	Double overheat protection device	Yes	Allows automatic system start and stop anytime weekly
Working Area Sizes	Thermal Chamber	225×145×55 mm	240×160×55 mm	Yes	240×160×55 mm	Double overheat protection device
	Working Table	180×120 mm	150×90 mm	160×200×50 mm	540×93 mm	Yes
	Small Cooling Plate	/	60×50 mm	10×180 mm	60×50 mm	240×160×50 mm
Power Supply		AC 220 V ± 10% 50 Hz (standard model); AC 110 V ± 10% 60 Hz	AC 220 V±10% 50 Hz (standard model); AC 110 V±10% 60 Hz	AC 220 V±10% 50 Hz (Standard model);	AC 220 V±10% 50 Hz (standard model); AC 110 V±10% 60 Hz	270×100 mm
Power		650 W	800 W	750 W (Tissue Embedding Center)	1000 W	80×60 mm
Machine Sizes (W×D×H)		550×525×385 mm	650×580×450 mm		680×580×400 mm	410×410 mm
Shipping Size (W×D×H)		670×630×520 mm	770×690×610 mm		780×700×500 mm	310×316×55 mm
N.W. /G.W.		26/41kg	40/45 kg	22/34 kg (Cooling System)	38/60 kg	26/50 kg (Tissue Embedding Center)

Microtomes

Used for cutting thin, uniform sections of tissue for microscopic examination. Commonly applied in histopathology, pathology, and research laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model	ML-MT-A3345	ML-MT-A3400	ML-MT-R210	ML-MT-R2101	ML-MT-R1510
Section Thickness Range	0-60 m	0-60 m	0.25-100 m	0.25-100 m	0.25-100 m
Section Thickness Setting	0.5-2 m, in 0.5 m increments	0-1 m, in 0.25 m increments	0.25-2.5 m, in 0.25 m increments	0.25-2.5 m, in 0.25 m increments	0.25-2.5 m, in 0.25 m increments
	2-10 m, in 1 m increments	1-10 m, in 1 m increments	2.5-5 m, in 0.5 m increments	2.5-5 m, in 0.5 m increments	2.5-5 m, in 0.5 m increments
	10-20 m, in 2 m increments	10-20 m, in 2 m increments	5.0-10 m, in 1 m increments	5-10 m, in 1 m increments	5-10 m, in 1 m increments
	20-60 m, in 5 m increments	20-60 m, in 5 m increments	10-30 m, in 2 m increments	10-30 m, in 2 m increments	10-30 m, in 2 m increments
Minimum Section Thickness	0.5 m	1-900 m	30-60 m, in 5 m increments	30-60 m, in 5 m increments	30-60 m, in 5 m increments
Trimming Thickness Range	0-60 m	1-10 m, in 1 m increments	60-100 m, in 10 m increments	60-100 m, in 10 m increments	60-100 m, in 10 m increments
Trimming Thickness Setting	0.5-2 m, increment 0.5 m	10-20 m, in 2 m increments	1-600 m	1-600 m	1-600 m
	2-10 m, increment 1 m	20-100 m, in 5 m increments	1-10 m, in 1 m increments	1-10 m, in 1 m increments	1-10 m, in 1 m increments
	10-20 m, increment 2 m	100-900 m, in 50 m increments	10-20 m, in 2 m increments	10-20 m, in 2 m increments	10-20 m, in 2 m increments
	20-60 m, increment 5 m	50-70 mm	20-50 m, in 5 m increments	20-50 m, in 5 m increments	20-50 m, in 5 m increments
Precision Error	±5%	±5%	50-150 m, in 10 m increments	50-150 m, in 10 m increments	50-150 m, in 10 m increments
Maximum Specimen Size	60×70 mm	28 mm	150-600 m, in 50 m increments	150-600 m, in 50 m increments	150-600 m, in 50 m increments
Total Horizontal Specimen Feed	29 mm	52 mm	70×70 mm	70×70 mm	80×65 mm
Vertical Specimen Stroke	60 mm	60 mm (front-to-back)	±1	±5%	±1%
Movement Range of Blade Holder's Base	60 mm (front-to-back)	23 mm (left-to-right)	0-50 m (0 means no retraction fuction)	28 mm	0-100 m(0 means no retraction fuction)
Movement Range of Blade Holder	23 mm (left-to-right)	450 m/s	0-5-10-15-50 m adjustable	70 mm	0-5-10-15-100 adjustable
Specimen Orientation	X/Y axis 8°, Rotation 360°	X/Y axis 8°, 360°Rotation	10-6000 m	60 mm (front-to-back)	30 mm
External Size (W×D×H)	570×440×290 mm	Yes	10-12-15-20-25-5000-6000 m	23 mm (left-to-right)	70 mm
Shipping Size (W×D×H)	530×620×450 mm	AC 220/110 V, 50/60 Hz	30 mm	X/Y axis 8°, Rotation 360° (Optional)	2000 m/s
N.W./G.W.	28/40 kg	100 VA	72 mm	Low 1500 m/s, high 3500 m/s	0-9999

Model	ML-MT-R2205	ML-MT-R2270	ML-MT-R2260	ML-MT-R2510	ML-MT-C3000
Section Thickness Range	Winch drive and ratchet wheel feed mechanism	0-500 m	0-500 m	0-60 m	0-60 m
Section Thickness Setting	Paraffin	0-25 m for continuous sectioning,	1-35 m for continuous sectioning,	0-2 m, in 0.5 m increments	0.5-2 m, in 0.5 m increments
	1-25 m	The sectioning thickness can be set at any value 25 m	The sectioning thickness can be set at any value 35 m	2-10 m, in 1 m increments	2-10 m, in 1 m increments
	1 m	0-500 m	0-500 m	10-20 m, in 2 m increments	10-20 m, in 2 m increments
	35×25 mm	1 m	1 m	20-60 m, in 5 m increments	20-60 m, in 5 m increments
Minimum Section Thickness	±10%	35×25 mm	40×35 mm;	55×45 mm	0.5 m
Trimming Thickness Range	290×300×220 mm	50×60 mm (optional)	50×60 mm (optional)	± 5%	0-60 m
Trimming Thickness Setting	400×400×310 mm	±10	±5	20 mm	0.5-2 m, increment 0.5 m
	21/27 kg	X/Y axis 8°	At any angle within 360 degrees	50 mm	2-10 m, increment 1 m
	10-20 m, in 2 m increments	30 mm	X/Y axis 8°	496×390×267mm	10-20 m, increment 2 m
	20-50 m, in 5 m increments	55 mm	28 mm	520×520×450 mm	20-60 m, increment 5 m
Precision Error	50-150 m, in 10 m increments	0-50 mm (front-to-back)	60 mm	27/41 kg	70×70 mm
Maximum Specimen Size	150-600 m, in 50 m increments	0-20 mm (left-to-right)	0-50 mm (front to back)	0-50 mm (front to back)	±5%
Total Horizontal Specimen Feed	80×65 mm	340×335×270 mm	420×330×330 mm	420×330×330 mm	15 m and 35m
Vertical Specimen Stroke		500×450×400 mm	540×440×470 mm	540×440×470 mm	20 m(can be turned off)
Movement Range of Blade Holder's Base	0-100 m(0 means no retraction fuction)	19/30 kg	19/30 kg		28 mm
Movement Range of Blade Holder	0-5-10-15-100 adjustable	0-5-10-15-100 adjustable			70 mm
Specimen Orientation					70 mm (front-to-back)
External Size (W×D×H)					23 mm (left-to-right)
Shipping Size (W×D×H)	2000 m/s				X/Y axis 8°, Rotation 360°
N.W./G.W.					590×500×330 mm

Tissue Processor

Automates dehydration, clearing, and impregnation of tissue samples.

Commonly used in histopathology and diagnostic laboratories.

· Designed for precise tissue processing and slide preparation.

· Automated and semi-automated operation for efficiency.

· Consistent and reproducible results.

· User-friendly interface with safety features.

· Robust construction for continuous laboratory use.



Model	ML-TP-A1	ML-TP-A3A	ML-TP-A3B	ML-TP-A3S	ML-TP-A3S1
Number of Beakers	12 (9 beakers for reagent, 3 beakers for paraffin)		12 (9 beakers for reagent, 3 beakers for paraffin)	12 (9 beakers for reagent, 3 beakers for paraffin, the 10th, 11th, and 12th beakers are paraffin beakers)	
Capacity of Each Beaker	750 mL	1000 mL	1.2 L (large capacity: 2.3 L)	1000 mL	1500 mL
Tissue Basket Capacity	168×30×80 mm (40 cassettes)	150×48×82 mm (60 cassettes)	1 L (large capacity: 1.8 L)	16 sets	
Processing Time	First beaker: 0-99 hours and 59 minutes adjustable		40 cassettes (large capacity: 100 cassettes)	0-99 hours arbitrarily set	
	Other beakers: 0-23 hours and 59 minutes adjustable		Set: 0-10 hours	0-99 arbitrarily set	
Programmable	20 sets		Delay: 1 month	45-100 seconds	
Paraffin Beaker Temperature Control Range	RT - 80 adjustable		10 sets	the 7th beaker	
Drain Time	10-60 seconds adjustable, 10 seconds increment		56-86	0-5 times/minute arbitrarily set, 3 times/minute is the best	
Agitation Times	0-6 times/min adjustable		/	AC 220 V, 50 Hz/60 Hz	
Tissue Protection Station	1-7 stations adjustable		10 times / hour	500 W	
Power Supply	AC 100 V-120 V / AC 220 V-240 V, 50 Hz / 60 Hz		AC 100 V / 220 V, 50 Hz / 60 Hz	60	95
Power	500 W		5-40	1010×390×450 mm	1130×400×500 mm
Dimensions (W×D×H)	795×435×415 mm		< 85%	1140×560×580 mm	1260×570×640 mm
Shipping Size (W×D×H)	950×540×580 mm	1010×420×450 mm	500 W	60/85 kg	67/100 kg
N.W./G.W.	50 kg / 70 kg	1180×540×560 mm 67 kg / 90 kg	670 mm (Diameter) × 550-680 mm (Height) 1040×790×780 mm (1.2 L) 1190×890×780 mm (2.3 L) 60/115 kg		

Tissue Flotation Bath

- Used to float and stretch tissue sections on warm water before mounting.
Commonly applied in histopathology and pathology laboratories.
- Designed for precise tissue processing and slide preparation.
 - Automated and semi-automated operation for efficiency.
 - Consistent and reproducible results.
 - User-friendly interface with safety features.
 - Robust construction for continuous laboratory use.



Model	ML-TF-I	ML-TF-II	ML-TF-III	ML-TF-IV	ML-TFSD-I	ML-TFSD-II
Temperature Range	RT~90	RT~90	RT~85	RT~90°C (constant adjusting)	RT~75	RT~70
Temperature Control Precision	±1	±1	±1	±2°C	±1	RT~100
Sizes of Water Bath Dish	240×180×50 mm	260×220×65mm	350×220×45mm	0~40°C	350×220×45 mm	±1
Power Supply	AC 100V120V/AC 220V240V; 50/60Hz	AC220V 50Hz; AC110V 60Hz; 50/60Hz	AC 100V120V/AC 220V240V; 50/60Hz	220V/50Hz	330×90 mm (26 slides)	155×155×55 mm
Power	200W	400VA	400W	450×420×200	AC 100V120V/AC 220V240V; 50/60Hz 500W	405×130 mm (32 slides) AC 100V120V/AC 220V240V; 50/60Hz
Sizes(W×D×H)(mm)	350×340×120	F6A L 250AC	510×420×150	11-Jul	510×420×150	600W
Shipping Size(W×D×H)(mm)	430×440×210	340×400×140	620×520×270		620×520×270	475×460×175
N.W./G.W. (kg)	8-Jun	550×490×260	15-Sep			

Slide Warmers

- Used to gently heat microscope slides for drying and adhesion of tissue sections.
Commonly applied in histopathology and diagnostic laboratories.
- Designed for precise tissue processing and slide preparation.
 - Automated and semi-automated operation for efficiency.
 - Consistent and reproducible results.
 - User-friendly interface with safety features.
 - Robust construction for continuous laboratory use.



Model	ML-SD-I	ML-SD-II	ML-SD-III
Temperature Range	RT~90	30~90°C (constant adjusting)	RT~90
Temperature Control Precision	±1	±2°C	±1
Table Size	340×260 mm (56 slides)	0°C~40°C	340×260 mm (60 slides)
Power Supply	AC 100V120V/AC 220V240V; 50/60Hz	AC 220 V, 50/60Hz	AC 100V120V/AC 220V240V;50/60Hz
Power	200W	450×420×200	200W
Sizes(W×D×H)(mm)	350×340×120	11-Jul	350×340×130
Shipping Size(W×D×H)(mm)	430×440×210		430×430×210
N.W./G.W. (kg)	8-Jun		9-Jul

Tissue embedding cassettes and storage

- Used for secure holding, identification, and storage of tissue samples during processing.
Commonly applied in histopathology and pathology laboratories.
- Designed for precise tissue processing and slide preparation.
 - Automated and semi-automated operation for efficiency.
 - Consistent and reproducible results.
 - User-friendly interface with safety features.
 - Robust construction for continuous laboratory use.



Model	ML-SC-101	ML-SDC-103
Sizes(W×D×H)(mm)	450×478×1620	
Shipping Size(W×D×H)(mm)	590×550×1700	
G.W. (kg)	40	

Pathology Workstation

Provides a safe and ergonomic workspace for pathology sample processing and examination. Commonly used in diagnostic, histopathology, and research laboratories.

- Designed for precise tissue processing and slide preparation.
- Automated and semi-automated operation for efficiency.
- Consistent and reproducible results.
- User-friendly interface with safety features.
- Robust construction for continuous laboratory use.



Model	ML-PW-1800
External Size (W×D×H)(mm)	1800×800×2000
Working Area Size (W×D×H)(mm)	1800×800×100
Work Surface Height (mm)	870
Exhaust Airflow Volume	1500-1800 m³/h (Full pressure range: 330-550pa)
Air Velocity	0.8m/s
Sound Emission	<55db
Material	Work Surface: 2mm Thickness 316 Stainless steel
	Overall structure: 304 stainless steel
Front Window Type	Open-Type
	No Electric lifting glass door
Fluorescent Lamp	30W×1pc
UV Lamp	30W×1pc
Consumption	2.5KW
Power Supply	AC220V±10%, 50/60Hz
Standard Accessory	Pulverizer
	Electrical water heater
	Magnetic tool holder
	280mm deep Stainless steel Water sink
	Fluorescent Lamp
	UV Lamp
	Exhaust System
	4m PVC exhaust duct
	Auto tabletop flushing system
	Adjustable hot and cold water tap
Optional Accessory	Camera
	Flex magnifier
	Specimen imaging system
	Table lifting components
	Intelligent control system
G.W.(kg)	245
Shipping Size (W×D×H)(mm)	1900×890×2170
Shipping Volume (m3)	3.7

Nitrogen Concentrator

Produces a continuous supply of high-purity nitrogen gas from ambient air.
Commonly used in analytical instruments, pharmaceutical processes, and research laboratories.



Model	ML-SC-200
Measuring Range	0.1mgN-200mgN (Nitrogen content: 0.1%-99%)
Measurement Variety	Foodstuff, feedstuff, foods, dairy products, drink, soil, water, medicine, precipitate and chemical.
Recovery Rate	99%(relative error, include digestion process)
Repetition Rate	Relative standard deviation $\pm$ 1%
Working Mode	Automatic and manual (without titration)
Storing Data	250 datum
Working Time	Distillation time: 5-15 minutes; The user can set automatically according to different samples.
Cooling Water Consumption	Distillation fraction: 3L /min(Water temperature is less than 20)
Power Supply	AC220V, 50Hz
Electricity of Distillation Fraction	1000W
Shipping Size(W×D×H)(mm)	530x460x830
G.W. (kg)	35

Vacuum Pump

Generates controlled vacuum for filtration, drying, and evaporation processes.
Commonly used in chemical, pharmaceutical, and research laboratories.

- Reliable fluid handling and sample processing solutions.
- Oil-free and low-maintenance designs available.
- Adjustable speed and flow control.
- Durable construction for laboratory environments.
- Supports grinding, mixing, filtration, and aspiration.
- Used across chemical, pharmaceutical, and research labs.



Model	ML-VP-D25	ML-VP-D25I	ML-VP-D40	ML-VP-D45	ML-VP-OF1A
Pump Head	1	1	1	1	1
Pump Head Material	Nylon	Anticorrosive materials			
Ultimate Vacuum	250 mbar	200 mbar			
Speed of Evacuation	15 L/Min	20 L/Min		30 L/Min	
Pressure	30 Positive or negative pressure	Negative pressure		30 Positive or negative pressure	
Inlet(mm)	6				
Outlet(mm)	6	Built-in soundproofing cotton		6	
Working Temp.	7~40				
Pump Body Temp.	<55				
Noise Level	<60 dB				
Power	75W	160W			
Diaphragm	/	Imported rubber			
Valves	/	Imported rubber			
Power Supply	AC220/110V $\pm$ 10%, 50/60Hz	AC220/110V $\pm$ 10%, 50/60Hz			
Size (W×D×H)(mm)	245x12	270x130	270x130	230x180	230x180
	0x160	x210	x210	x265	x265
Shipping Size (W×D×H)(mm)	360x24	340x220	340x220	340x230	340x230
	0x270	x330	x330	x330	x330
N.W./G.W. (kg)	6-Apr	9-Jul	9-Jul	7.5/10	7.5/10

Peristaltic Pump

Provides accurate, contamination-free transfer of liquids through flexible tubing.
Commonly used in biotechnology, pharmaceutical, and laboratory fluid handling applications.

- Reliable fluid handling and sample processing solutions.
- Oil-free and low-maintenance designs available.
- Adjustable speed and flow control.
- Durable construction for laboratory environments.
- Supports grinding, mixing, filtration, and aspiration.
- Used across chemical, pharmaceutical, and research labs.



Drive Model	ML-DPP-100FC	ML-DPP-300FC	ML-DPP-600FC
Speed Range	0.01~100rpm	0.01~300rpm	0.01~600rpm
Flow Resolution	0.01ml/min		
Speed Display Resolution	0.1rpm(<100rpm), 1rpm(100rpm)		
Flow Range	0.0015~380ml/min	0.007~1140ml/min	0.007~2280ml/min
Flow Calibration	Yes		
Control Method	Touch screen (Support external signal control and communication control)		
Display Mode	LCD (English and Chinese optional)		
Filling Volume Range	0.01-9999.99ml		
Filling Volume Resolution	0.01ml		
Copy Number Range	0~999times, "0" is infinite loop		
Filling Time Range	0.1s~9999.99s		
Pause Time Range	0.1s~9999.99s		
Time Resolution	0.01s		
Suckback Angle	0°~360°		
Power Supply	AC220V±10% (standard) or AC110V±10% (optional)	50W	60W
Power Consumption	40W		
Environment Temperature	0~40		
Relatively Humidity	80%, No condensation		
Drive Size (WxDxH) (mm)	212×155×232		
Drive Weight	3.0kg	3.2kg	3.5kg
Motor Type	Stepper motor		
IP Grade	IP31		
Working Mode	Filling mode, Transmission mode		
External Control	Control Rev. Stop, Direction, Speed.- Support RS485/MODBUS communication protocol, analog quantity control (0-5V, 0-10V, 4-20mA ...) foot switch control.		

Syringe Pump

- Delivers precise and controlled flow of liquids using syringes.
Commonly used in medical research, analytical chemistry, and pharmaceutical laboratories.
- Reliable fluid handling and sample processing solutions.
 - Oil-free and low-maintenance designs available.
 - Adjustable speed and flow control.
 - Durable construction for laboratory environments.
 - Supports grinding, mixing, filtration, and aspiration.
 - Used across chemical, pharmaceutical, and research labs.



Model	ML-SP-11C	ML-SP-11Y
Working Mode	Working mode (perfusion)	Working mode (perfusion)
Execution Unit Quantity	1	1
Stroke Resolution	0.156 um	0.156 um
Linear Velocity Range	5m/min-130 mm/min (Flow rate = linear velocity x internal cross-sectional area of syringe)	5m/min-130 mm/min (Flow rate = linear velocity x internal cross-sectional area of syringe)
Stroke Control Accuracy	The error 0.5% (Trip 30% of the maximum trip)	The error 0.5% (Trip 30% of the maximum trip)
Flow Correction	More accurate fluid levels are obtained through calibration procedures	More accurate fluid levels are obtained through calibration procedures
Syringe Selection	Built-in main manufacturer, model syringe for choice	Built-in main manufacturer, model syringe for choice
Applicable Power Supply	Broad voltage AC 90-265V. 50 Hz/60 Hz	Broad voltage AC 90-265V. 50 Hz/60 Hz
Working Environment	Temperature 0~40°C, relative humidity <80%	Temperature 0~40°C, relative humidity <80%
Drive Weight	3.9 Kg	3.9 Kg
Communication Interface	RS 485 (MODBUS Protocol)	RS 485 (MODBUS Protocol)
Power Consumption	<15W	<15W
Control Type Input	2 start and stop control inputs, 1 falling edge trigger signal control start and stop; 1 TTL level signal control start and stop	2 start and stop control inputs, 1 falling edge trigger signal control start and stop; 1 TTL level signal control start and stop
Maximum Stroke	140 mm	140 mm
Status Output	2OCgate signal output, used to indicate the start, stop and direction status	2OCgate signal output, used to indicate the start, stop and direction status
Rated Linear Thrust	>90N	>290N
Display Parameter Setting	Fluid volume, flow rate, or linear velocity	Fluid volume, flow rate, or linear velocity
Linear Speed Adjustment Resolution	5m/min	5m/min
Operation Parameter Setting	Dispense fluid volume, syringe time, etc	Dispense fluid volume, syringe time, etc
External Size (LxWxH)(mm)	280x210x140	280x210x140
Syringe Customization	can be directly input into the syringe	Can be directly input into the syringe

Vacuum Aspiration Pump

- Used for safe removal of liquid waste from culture plates and flasks.
Commonly applied in cell culture, microbiology, and clinical laboratories.
- Reliable fluid handling and sample processing solutions.
 - Oil-free and low-maintenance designs available.
 - Adjustable speed and flow control.
 - Durable construction for laboratory environments.
 - Supports grinding, mixing, filtration, and aspiration.
 - Used across chemical, pharmaceutical, and research labs.



Model	ML-VAS-SAF	ML-VAS-ECO	ML-VAF-SMART
Vacuum Range	0-600 mbar	0-500 mbar	600mbar
Size(W×D×H)(mm)	180×240×450	15L/min (air)	1.6L/min
Aspirating Speed	1-15mL/S	17mL/s	Standard 1L, optional 500mL, suction filter bottle
Autoclave Component	Tube; waste bottle; operation handle;	2L Standard, 1L Optional	1 mL tip detrusion adapter (standard)
Noise Level	55dB	Brushless Motor	8 channel needle (optional)
Input Voltage	100-240VAC, 50/60 Hz	100-220VAC, 50/60Hz	Brushless Motor
Bottle Volume	4L	560x420x220	DC 12V, 1.0 A
Sizes (W×D×H)(mm)	570x420x220	580x440x240	Lithium battery 2500mA
Shipping Size (W×D×H)(mm)	590x440x240	4-Mar	53 dB
N.W./G.W. (kg)	4-Mar		400x170x170

Vertical Laboratory Ball Mill

- Designed for efficient grinding and mixing of small sample quantities.
Commonly used in research, pharmaceutical, and material testing laboratories.
- Reliable fluid handling and sample processing solutions.
 - Oil-free and low-maintenance designs available.
 - Adjustable speed and flow control.
 - Durable construction for laboratory environments.
 - Supports grinding, mixing, filtration, and aspiration.
 - Used across chemical, pharmaceutical, and research labs.



Model	ML-PBM-V2SC	ML-PBM-V4SC
Power (kW)	0.25	0.75
Voltage	220 V-50 Hz	220 V-50 Hz
Revolution Speed (rpm)	45-435	35-335
Rotation Speed (rpm)	90-870	70-670
Total Timing (min)	Jan-99	Jan-99
Alternating Run	1-999	1-999
Time of		
Forward& Reversal Rotation (min)		
Noisedb	58±5	60±5

Semi-Circle Ball Mill

Used for effective grinding and mixing of samples with a unique semi-circular motion. Commonly applied in pharmaceutical, chemical, and material research laboratories.

- Reliable fluid handling and sample processing solutions.
- Oil-free and low-maintenance designs available.
- Adjustable speed and flow control.
- Durable construction for laboratory environments.
- Supports grinding, mixing, filtration, and aspiration.
- Used across chemical, pharmaceutical, and research labs.



Model	ML-PBM-V2S	ML-PBM-V4S
Power (kW)	0.75	1.5
Voltage		
Revolution Speed (rpm)	35-335	35-290
Rotation Speed (rpm)	70-670	70-580
Total Timing (min)	Jan-99	Jan-99
Alternating Run	1-999	1-999
Time of		
Forward& Reversal Rotation (min)		
Noisedb	60±5	60±5

Horizontal Ball Mill

Used for grinding and homogenizing materials into fine powders.

Commonly applied in pharmaceutical, chemical, and material research laboratories.

- Reliable fluid handling and sample processing solutions.
- Oil-free and low-maintenance designs available.
- Adjustable speed and flow control.
- Durable construction for laboratory environments.
- Supports grinding, mixing, filtration, and aspiration.
- Used across chemical, pharmaceutical, and research labs.



Model	ML-PBH-H
Sieve Mesh Size	1~400,450,500,550,600,635
Time Range	0~99min59s
Diameter	200mm
Layer	Maximum 8 layers
Material	304 stainless steel
Speed	1400r/min
Standard Accessory	Lid and base
Optional Accessory	Sieve mesh
Power Supply	AC220/110V±10%, 50/60Hz
Size (W×D×H)(mm)	400x330x370
Shipping Size (W×D×H)(mm)	600x510x480
G.W. (kg)	50

Laboratory Vibrating Sieve

- Used for particle size separation and grading of powders and granules.
Commonly applied in pharmaceutical, chemical, and material testing laboratories.
- Reliable fluid handling and sample processing solutions.
 - Oil-free and low-maintenance designs available.
 - Adjustable speed and flow control.
 - Durable construction for laboratory environments.
 - Supports grinding, mixing, filtration, and aspiration.
 - Used across chemical, pharmaceutical, and research labs.



Model	ML-VS-200	ML-VS-300
Sieve Mesh Size	1~400,450,500,550,600,635	
Time Range	0~99min59s	
Diameter	200mm	300mm
Layer	Maximum 8 layers	
Material	304 stainless steel	
Speed	1400r/min	
Standard Accessory	Lid and base	
Optional Accessory	Sieve mesh	
Power Supply	AC220/110V±10%, 50/60Hz	
Size (W×D×H)(mm)	400x330x370	
Shipping Size (W×D×H)(mm)	600x510x480	
G.W. (kg)	50	

Ultrasonic Cleaner

- Uses high-frequency ultrasonic waves to remove contaminants from instruments and components.
Commonly used in laboratories, medical facilities, and industrial cleaning applications.
- Reliable fluid handling and sample processing solutions.
 - Oil-free and low-maintenance designs available.
 - Adjustable speed and flow control.
 - Durable construction for laboratory environments.
 - Supports grinding, mixing, filtration, and aspiration.
 - Used across chemical, pharmaceutical, and research labs.



Model	ML-UC-3S	ML-UC-6S	ML-UC-5S	ML-UC-5S	ML-UC-10S	ML-UC-14S	ML-UC-14S	ML-UC-30S
Capacity(L)	10	15	22.5	22.5				
Ultrasound Frequency(KHz)	40							
Ultrasonic Power(W)	200	400	500	500				
Power Adjustable(%)	10-100							
heating Power(W)	600	600	1000	1000				
Temperature Adjustable(°)	Room temperature-80							
Time Adjustable(min)	Jan-99							
Stainless Steel Grid	Yes	Yes	Yes	Yes				
Water Level	Yes	Yes	Yes	Yes				
Sound-reduction Lid	Yes	Yes	Yes	Yes				
Drainage System	Yes	Yes	Yes	Yes				
Chamber Size (W×D×H)(mm)	300×240×150	330×300×150	500×300×150	500×300×150				
Sizes (W×D×H)(mm)	320×270×340	400×460×460	530×320×380	530×320×380				
Shipping Size (W×D×H)(mm)	430×350×430	500×500×500	630×410×460	630×410×460				
N.W./G.W. (kg)	10-Aug	14-Oct	15/18	15/18				

Polarizing Microscope

Used for analysis of birefringent and anisotropic materials under polarized light.
Commonly applied in geology, material science, and pharmaceutical laboratories.

- High-quality optics for clear and detailed imaging.
- Ergonomic viewing heads for user comfort.
- Multiple magnification options with precision focusing.
- LED illumination for long life and low heat.
- Camera and imaging compatibility in trinocular models.

Used in education, diagnostics, and research labs.



Model	ML-MSPM-107B	ML-MSPM-107T
Viewing Head	Sliding Binocular Head at 45°, 360° Rotatable	Sliding Trinocular Head at 45°, 360° Rotatable
Eyepiece	Eyepiece WF10×/ 18 with Scale of Crosshair	
Nosepiece	Toward Quadruple Nosepiece, Center Adjustable	
Objective	Strain Free Achromatic Objective 4×, 10×, 40×	
Analyzer	Rotatable Analyzer with Gradation 0°~90°	
Bertrand Lens	Bertrand Lens, Sliding in/ out of Optical Path	
Revolving Round Stage	Diameter 160mm, Graduated in 1° Increments, Minimum Resolution 6' When Using Vernier Scale	
Condenser	Abbe Condenser with Iris Diaphragm & Filter	
Focusing	Coaxial Coarse & Fine Adjustment, Range 28mm, Fine Division 0.002mm	
Polarizer	Sliding In/ Out of Optical Path, Located on the Top of Collector	
Illumination	6V/ 20W Halogen Lamp, Brightness Adjustable	
Power Supply	AC220/110V±10%, 50/60Hz	
Shipping Size	327x273x425	
(W×D×H)(mm)		
G.W. (kg)	8	

Inverted Microscope

Designed for observation of live cells and samples in culture vessels.
Commonly used in cell culture, IVF, and biomedical research laboratories.

- High-quality optics for clear and detailed imaging.
- Ergonomic viewing heads for user comfort.
- Multiple magnification options with precision focusing.
- LED illumination for long life and low heat.
- Camera and imaging compatibility in trinocular models.

Used in education, diagnostics, and research labs.



Model	ML-MSIM-1400
Viewing Head	Monocular viewing head, Inclined at 45°
Eyepiece	WF10X/18 WF10X/18
	WF10X/18, Eyepiece with Scale of Cross hair
Achromatic Objective	10X/0.25, 40X/0.65, 100X/1.25
Nosepiece	Backward quadruple nosepieceOptional:Backward quintuple nosepiece
Illumination System	6 V/20 W Halogen light,rightness adjustable
	Green, Blue, Yellow
Focusing	Coaxial coarse and fine adjustment, fine division 2 m
Stage	Double layer mechanical stage 180×150 mm

Fluorescence Microscope

Used to observe specimens labeled with fluorescent dyes under specific light wavelengths. Commonly applied in biomedical research, clinical diagnostics, and molecular biology laboratories.

- High-quality optics for clear and detailed imaging.
- Ergonomic viewing heads for user comfort.
- Multiple magnification options with precision focusing.
- LED illumination for long life and low heat.
- Camera and imaging compatibility in trinocular models.

Used in education, diagnostics, and research labs.



Model	ML-MSFM-107B	ML-MSFM-107T	ML-MSFM-201B	ML-MSFM-201T
Viewing Head	Sliding binocular head, inclined at 45°, interpupillary 55-75mm	Sliding trinocular head, inclined at 45°, interpupillary 55-75mm	Infinite Optical System	Infinite optical system
Eyepiece	Wf10×18mm	Wf10×18mm	Seidentopf binocular head, inclined at 30°, interpupillary 55-75mm	Seidentopf trinocular head, inclined at 30°, interpupillary 55-75mm
Objective	Achromatic objective: 4×, 10×, 40×, 100×	Achromatic objective: 4×, 10×, 40×, 100×	Wf10×20mm	Wf10×18mm
Nosepiece	Quadruple nosepiece	Quadruple nosepiece	Infinite plan achromatic objective: 4×, 10×, 40×, 100×	Infinite plan achromatic objective?4×, 10×, 40×, 100×
Stage	Double layers mechanical stage 140x135mm/ 75x50mm	Double layers mechanical stage 140x135mm/ 75x50mm	Flour semi-apo objective: 4x, 10x, 20x, 40x, 100x	Quadruple Nosepiece
Condense	Abbe condenser N.A. 1.25 with iris diaphragm & filter	Abbe condenser N.A. 1.25 with iris diaphragm & filter	Infinite plan phase objective: Ph10x, 20x, 40x, 100x	Double layers mechanical stage 140x135mm/ 75x50mm
Focusing System	Coaxial coarse and fine adjustment, fine division 0.002mm, coarse stroke 37.7mm per rotation, fine stroke 0.2mm per rotation,	Coaxial coarse and fine adjustment, fine division 0.002mm, coarse stroke 37.7mm per rotation, fine stroke 0.2mm per rotation,	Quadruple nosepiece	Abbe condenser N.A. 1.25 with iris diaphragm & filter
	37.7mm per rotation, fine stroke 0.2mm per rotation, moving range 28mm	moving range 28mm 3W LED illumination, brightness adjustable	Double layers mechanical stage 140x135mm/ 75x50mm	Coaxial coarse and fine adjustment, fine division 0.002mm, coarse stroke 37.7mm
Illumination	3W LED illumination, brightness adjustable	5W fluorescent LED illumination, with adjustable brightness	Abbe condenser N.A. 1.25 with Iris diaphragm & filter	per rotation, fine stroke 0.2mm per rotation, moving range 22mm
	5W fluorescent LED illumination, with adjustable brightness	DF-I fluorescent vertical illuminator equipped with a set of fluorescent channels.	Coaxial coarse and fine adjustment, fine division 0.002mm, coarse stroke 37.7mm	LED illumination, brightness adjustable
Fluorescent Attachment	DF-I fluorescent vertical illuminator equipped with a set of fluorescent channels.	DF-II fluorescent vertical illuminator equipped with two sets of fluorescence channels	per rotation, fine stroke 0.2mm per rotation, moving range 22mm	5W fluorescent LED illumination, with adjustable brightness
	DF-II fluorescent vertical illuminator equipped with two sets of fluorescence channels	DF-VI fluorescent vertical illuminator can be configured with three to six groups	LED illumination, brightness adjustable	DF-I fluorescent vertical illuminator.Equipped with a set of fluorescent channels.
	DF-VI fluorescent vertical illuminator can be configured with three to six groups of fluorescent channels	of fluorescent channels	5W fluorescent LED illumination, with adjustable brightness	DF-II fluorescent vertical illuminator equipped with two sets of fluorescence channels
	groups of fluorescent channels	330x280x440	DF-I fluorescent vertical illuminator. Equipped with a set of fluorescent channels.	DF-VI fluorescent vertical illuminator can be configured with three to six groups of fluorescent channels
Shipping Size	330x280x440	330x280x440	DF-II fluorescent vertical illuminator equipped with two sets of fluorescence channels	370x260x470
(W×D×H)(mm) G.W. (kg)	(W×D×H)(mm) 7	7	DF-VI fluorescent vertical illuminator can be configured with three to six groups of fluorescent channels	DF-VI fluorescent vertical illuminator can be configured with three to six groups 8

Stereoscopic Microscope

Provides three-dimensional viewing of specimens at low magnification.
Commonly used in biological research, electronics inspection, and educational laboratories.

- High-quality optics for clear and detailed imaging.
 - Ergonomic viewing heads for user comfort.
 - Multiple magnification options with precision focusing.
 - LED illumination for long life and low heat.
 - Camera and imaging compatibility in trinocular models.
- Used in education, diagnostics, and research labs.



Model	ML-MSSM-45B	ML-MSSM-45T	ML-MSSM-60T	ML-MSSM-30T
Magnification	Zoom objective 7X-45X		Zoom objective 7X-45X	
Eyepiece	WF10X/20mm high-eyepoint, wide-field; Convenient for observers wearing glasses		WF10X/22mm high-eyepoint, wide-field; Convenient for observers wearing glasses	Zoom objective 6X-50X WF10X/22mm high-eyepoint, wide-field; Convenient for
	Optional eyepiece 15X/15mm, 20X/10mm, 25X/9mm, 30X/8mm		Optional Eyepiece 15X/16mm, 20X/12mm, 25X/9mm,	bservers wearing glasses Binocular head, 45° inclined,
Main Body	Binocular head, 45° inclined, 360° rotatable, can be locked in any position desired.	Trinocular head, 45° inclined, 360° rotatable, can be locked in any position desired.	30X/8mm Binocular head, 45° inclined, 360° rotatable, can be locked in any position desired.	360° rotatable, can be locked in any position desired. Diopter adjustment: ±5 diopters
	Interpupillary distance adjustment: 54-76mm;	Interpupillary distance adjustment: 54-76mm;	Diopter adjustment: ±5 diopters	Interpupillary Distance adjustment: 48-75mm
	Diopter adjustment: ±5 diopters	Diopter adjustment: ±5 diopters	Interpupillary distance adjustment: 54-75mm	0.6X-5X stereo zoom; Zoom
Objective	0.7X-4.5X stereo zoom; Zoom Ratio: 6.4:1		0.67X-4.5X stereo zoom; Zoom Ratio: 6.7:1	Ratio 1:8.3 95mm
	Aux Lens: 0.5X, 2X		Aux Lens: 0.5X, 2X	Focusing track mount with
Focusing Mount	Focusing mount with vertical working distance 50mm		Focusing track mount with	vertical working distance 104mm
Stand	Vertical Post: 240mm;		vertical working distance 104mm	Upper light source: halogen
	Diameter: 32mm;		Track stand Vertical Height: 300mm;	lamp; Lower light source: 5W fluorescent lamp Three vision road annex
	With 95mm B/W Plastic & Perspex Plate and Paired Clips;		Mounting Size: 76mm;	MSC 1X C-Mount; *MSC 0.5X
	Base Size: 200x255x60mm		Focusing Distance: 106mm; With 95mm B/W Plastic & Perspex Plate and Paired Clips;	C-MountL; *MSC 0.3X C-Mount Vertical Height: 300mm;
Illumination	Transmitted and reflected 12v/15w halogen; xLED illumination		Base Size: 205x275x40mm	Mounting Size: 76mm;
C-Mount	SZM 1X C-Mount;		Top and bottom LED	Focusing Distance: 106mm;
	SZM 0.5X C-Mount;		illumination with an independent	With 95mm B/W Plastic &
	SZM 0.3X C-Mount;		control; Input power 110v~240v MSC 1X C-Mount; xMSC 0.5X C-Mount;	Perspex Plate and Paired Clips; Base Size: 205x275x40mm Top and bottom LED
Information: 3.5X-270X with optional eyepieces and objectives	Information: 3.5X-270X with optional eyepieces and objectives			illumination with an independent
Package	Carton		510x280x380	
Shipping Size (W×D×H)(mm)	510x210x380	510x280x380	510x360x300	control; Input power 110v~240v MSC 1X C-Mount; xMSC 0.5X
G.W. (kg)	7	7		C-Mount;

Digital Microscope

Enables magnified viewing with digital imaging and display on a screen.

Commonly used in education, quality inspection, and research laboratories for documentation and analysis.

- High-quality optics for clear and detailed imaging.
- Ergonomic viewing heads for user comfort.
- Multiple magnification options with precision focusing.
- LED illumination for long life and low heat.
- Camera and imaging compatibility in trinocular models.

Used in education, diagnostics, and research labs.



Model	ML-MSDM-125D	ML-MSDM-300D	ML-MSDM-201D	ML-MSDM-103D	ML-MSDM-208D
Optical System	Finite distance optical system	10-inch display screen	Infinite Optical System		
Viewing Head	10-inch display screen	C Mount 0.5×	10-inch display screen		
Video Adapter	C Mount 0.5×/1×	Plan Achromatic Objective: 4×, 10×, 20×, 40×, 100×	C Mount 0.5×/1×		
Objective	Plan achromatic objective: 4×, 10×, x20×, 40×, 100×	Quadruple Nosepiece/xQuintuple Nosepiece	Infinite Plan Achromatic Objective: 4×, 10×, 20×, 40×, 100×		
Nosepiece	Quadruple Nosepiece/xQuintuple Nosepiece	Double Layers Mechanical Stage 120X115mm/ 70X30mm	Quadruple Nosepiece/xQuintuple Nosepiece		
Stage	Double layers mechanical stage 140x135mm, range of movement: 75x50mm	Abbe Condenser N.A. 1.25 with Iris Diaphragm & Filter	Double Layers Mechanical Stage 140X135mm, Range of Movement: 75X50mm		
Condense	Abbe condenser N.A. 1.25 with iris diaphragm & filter	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation,	Abbe Condenser N.A. 1.25 with Iris Diaphragm & Filter		
Focusing System	Coaxial coarse and fine adjustment, fine division 0.002mm, coarse stroke 37.7mm per rotation, fine stroke 0.2mm per rotation, moving range 20mm	Fine Stroke 0.2mm per Rotation, Moving Range 20mm	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse		
		LED Illumination, Brightness Adjustable	Stroke 37.7mm per Rotation,		
Illumination	3W LED light, brightness continuously adjustable	Turret Phase Contrast Kit; Dark Field Attachment; Fluorescent Attachment	Fine Stroke 0.2mm per Rotation, Moving Range 20mm		
Optional	Turret phase contrast Kit; dark field attachment; fluorescent attachment	Microscope Camera/win10 Pad/Digital display	3W LED Light, Brightness Continuously Adjustable		
	Microscope camera/win10 Pad/Digital display		Turret Phase Contrast Kit; Dark Field Attachment; Fluorescent Attachment		
Shipping Size	370x260x470	370x260x470	Microscope Camera/win10 Pad/Digital Display		
(W×D×H)(mm)			370x260x470		
G.W. (kg)	8	6	8		

Teaching Microscope

Designed for simultaneous viewing by instructor and students through multiple viewing heads.

Commonly used in medical, educational, and training laboratories for effective teaching and demonstrations.

- High-quality optics for clear and detailed imaging.
- Ergonomic viewing heads for user comfort.
- Multiple magnification options with precision focusing.
- LED illumination for long life and low heat.
- Camera and imaging compatibility in trinocular models.

Used in education, diagnostics, and research labs.



Model	ML-MSTM-01T	ML-MSTM-02T	ML-MSTM-03T	ML-MSTM-08T
Viewing Head	Monocular Vertical Tube	Monocular Vertical Tube	Monocular vertical tube	Monocular Head
Huygens Eyepiece	H16X (1)	H10X, H16X(1)	H10X, H16X(1)	WF10×
Objective	12.5X (s) Chromatance Objective	4X	10X	WF16×(Optional configuration)
Nosepiece	Triple Nosepiece	10X	40X(s)	Achromatic Objective4×, 10×, 40×, 100×
Focusing System	Coarse Adjustment Range 20mm	40X(s)	100X(s,oil)	Quadruple Nosepiece
Stage	Plain Stage with Slide Clips 100x90mm	Triple Nosepiece	Triple nosepiece	Double Layers Mechanical Stage 120X115mm/ 50X30mm
Illumination	Reflector	Coarse Adjustment Range 50mm, Fine Adjustment Range 1.8mm~2.2mm, Accuracy 0.01	Coarse adjustment range 50mm, fine-tuning accuracy of 0.02	Abbe Condenser N.A. 1.25
	LED Lamp (Optional)	Plain Stage with Slide Clips 110x110mm	Plain stage with move the feet 120x120mm	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm
Shipping Size	440x250x310	Reflector	Reflector	LED Illumination, Brightness Adjustable
(W×D×H)(mm)		440x250x310	LED lamp (Optional)	440x250x310
G.W. (kg)	3.5	3.5	Abbe type light mirror N.A.1.20, with a variable appendix	

Biological Microscope

Used for magnified observation of biological specimens such as cells and tissues.

Commonly applied in clinical, educational, and research laboratories for routine microscopic analysis.

- High-quality optics for clear and detailed imaging.
- Ergonomic viewing heads for user comfort.
- Multiple magnification options with precision focusing.
- LED illumination for long life and low heat.
- Camera and imaging compatibility in trinocular models.

Used in education, diagnostics, and research labs.



Model	ML-MSBM-BE200E	ML-MSBM-BD500E	ML-MSBM-BE500E	ML-MSBM-BSM500E	ML-MSBM-BV500E
Viewing Head	30°inclined, gemel binocular head, interpupillary distance: 50-75mm, Diopter±5 adjustable		Infinite Optical System	Siedentopf Binocular Viewing Head at 30°	Sliding Binocular Head Inclined at 45°
	30°inclined, gemel binocular head, interpupillary distance: 50-75mm, Diopter±5 adjustable		Siedentopf Binocular Head, Inclined at 30°, Interpupillary 50-75mm	Inclined Interpupillary (55-75mm)	interpupillary (55-75mm)
Eyepiece	WF10X/18mm, WF10X/20mm, PL10X/18mm Optional		WF10×22mm Wide Field Eyepiece WF10×22mm;	Wide Field Eyepiece WF10x18mm	
Objective	Achromatic objective(4X, 10X, 40X, 100X)		Infinite Plan Achromatic Objective: 4×, 10×, x20×, 40×, 100×	Quadruple Nosepiece	
	Plan achromatic objective(4X, 10X, 40X, 100X)		xFlour Semi-apo Abjective: 4×, 10×, x20×, 40×, 100×	Achromatic Objective 4X,10X,40X,100X	
Optical system	Finite Color, Infinite Color Corrected Optical System		xInfinite Plan Phase Objective: Ph10x, 20x, 40x, 100x	Double Layers Mechanical Stage 140x135mm/ 75x50mm	
Nosepiece	Quadruple nose piece		Quadruple Nosepiece/ xQuintuple Nosepiece	Abbe NA1.2? with Iris Diaphragm & Filter	
Focus adjustment	Coarsely adjustable coaxial focusing mechanism, coarse rang: 8mm		Double Layers Mechanical Stage 210x150mm/ 75x50mm	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 24mm
	Fine precision: 0.004mm; With elastic adjustment device		Abbe Condenser NA1.25 with Iris Diaphragm & Filter	S-LED Illumination, Brightness Adjustable	
Stage	Double layers stage 115*125mm		Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 24mm	Halogen Lamp 100V-240V/ 6V20W	
Condenser	N.A.1.25 ABBE Condenser and Iris Diaphragm			Plan-concave Mirror	
Illumination	3W LED illumination, brightness adjustable continuously; Built-in charging module; External wide-voltage adapter operates within 100-240V range, output:DC5V-1A, Type C interface		LED Illumination, Brightness Adjustable	White Filter	
Others	Transmission filter: blue, yellow, green; Phototube: 0.35X, 0.5X, 1XC-mount for camera		Phase Contrast Kit; Dark Field Attachment; Fluorescent Attachment	Carton	
Shipping Size (W×D×H)(mm)			590x350x360	360x260x470	
G.W. (kg)			9	7	

Biological Microscope

The Precision Balance is a highly accurate weighing instrument designed for laboratory and industrial applications. It offers fast stabilization and reliable measurements with excellent repeatability. Equipped with a clear digital display and multiple weighing units, it ensures user convenience. Ideal for chemical analysis, sample preparation, and quality control processes.



Model	ML-PB-310	ML-PB-610	ML-PB-1010	ML-PB-2202	ML-PB-3200
Capacity	310	610	1010	2202	3200
Readability	0.1g	0.1g	0.1g	0.1g	0.1g
Calibration	External Calibration	External Calibration	External Calibration	External Calibration	External Calibration
Scale Pan Size	175x175mm	175x175mm	175x175mm	175x175mm	175x175mm
Stable Time	?5s	?5s	?5s	?5s	?5s
Linearity Error	±0.3g	±0.3g	±0.3g	±0.3g	±0.3g
Preheating Time	15min	15min	15min	15min	15min
Working Temperature	5~40?	5~40?	5~40?	5~40?	5~40?
Power Supply	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz
Optional Accessory	RS232 interface	RS232 interface	RS232 interface	RS232 interface	RS232 interface
External Size (W×D×H)(mm)	250×190×66	250×190×66	250×190×66	250×190×66	250×190×66
Shipping Size (W×D×H)(mm)	310×260×170	310×260×170	310×260×170	310×260×170	310×260×170
Net Weight	1.2kg	1.2kg	1.2kg	1.2kg	1.2kg
Gross Weight	2.0kg	2.0kg	2.0kg	2.0kg	2.0kg

Model	ML-PB-4200	ML-PB-5200	ML-PB-6KG	ML-PB-10KG	ML-PB-15KG
Capacity	4200	5200	6kg	10kg	15kg
Readability	0.1g	0.1g	0.1g	0.1g	0.1g
Calibration	External Calibration	External Calibration	External Calibration	External Calibration	External Calibration
Scale Pan Size	175x175mm	175x175mm	175x175mm	175x175mm	175x175mm
Stable Time	?5s	?5s	?5s	?5s	?5s
Linearity Error	±0.3g	±0.3g	±0.3g	±0.3g	±0.3g
Preheating Time	15min	15min	15min	15min	15min
Working Temperature	5~40?	5~40?	5~40?	5~40?	5~40?
Power Supply	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz	AC 220/110V, 50/60Hz
Optional Accessory	RS232 interface	RS232 interface	RS232 interface	RS232 interface	RS232 interface
External Size (W×D×H)(mm)	250×190×66	250×190×66	250×190×66	250×190×66	250×190×66
Shipping Size (W×D×H)(mm)	310×260×170	310×260×170	310×260×170	310×260×170	310×260×170
Net Weight	1.2kg	1.2kg	1.2kg	1.2kg	1.2kg
Gross Weight	2.0kg	2.0kg	2.0kg	2.0kg	2.0kg

Gradient Thermal PCR

The Gradient Thermal PCR system is designed for precise DNA amplification with advanced temperature control and gradient capability. It allows simultaneous optimization of annealing temperatures across multiple samples, improving efficiency and accuracy. The system features fast heating/cooling rates and a heated lid to prevent condensation. Ideal for molecular biology, diagnostics, and genetic research laboratories.



Parameter	ML-GT-96T	ML-GT-96
Sample Capacity	96 × 0.2 ml PCR tubes / 12 × 8 strip tubes / 96-well plate	96 × 0.2 ml PCR tubes / 12 × 8 strip tubes / 96-well plate
Temperature Range	4°C ~ 99.9°C	4°C ~ 99.9°C
Heating Lid Temperature	30°C ~ 110°C	30°C ~ 110°C
Temperature Accuracy	±0.3°C	±0.3°C
Temperature Uniformity	≤ ±0.3°C	≤ ±0.3°C
Display Resolution	0.1°C	0.1°C
Heating Rate	≥ 4.0°C/sec	≥ 3.5°C/sec
Cooling Rate	≥ 3.0°C/sec	≥ 2.5°C/sec
Gradient Temperature Range	30°C ~ 99°C	30°C ~ 99°C
Gradient Range	1°C ~ 30°C	1°C ~ 30°C
Number of Gradient Columns	12 Columns	12 Columns
Program Storage	≥ 1000 Programs	≥ 1000 Programs
Max Steps per Program	30 Steps	30 Steps
Max Cycles	99 Cycles	99 Cycles
User Interface	Touch Screen LCD	LCD Display with Keypad
Communication Interface	USB	USB
Power Supply	100–240V, 50/60Hz	100–240V, 50/60Hz
Dimensions (W×D×H)	Approx. 380 × 270 × 250 mm	Approx. 360 × 260 × 240 mm
Weight	Approx. 9 kg	Approx. 8 kg

Agarose Gel Electrophoresis

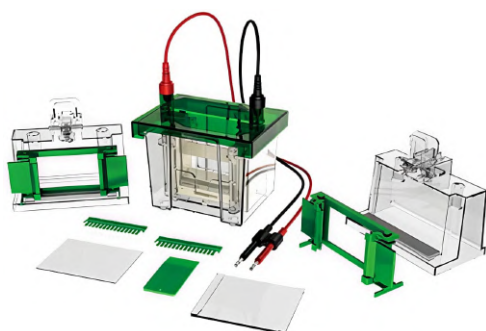
The Agarose Gel Electrophoresis system is designed for efficient separation and analysis of DNA and RNA samples. It features UV-transparent gel trays for easy visualization and high-quality acrylic construction for durability. The system supports multiple gel sizes and comb configurations, offering flexibility for various applications. Its safety interlock lid ensures secure operation, making it ideal for research, diagnostics, and educational laboratories.



Parameter	ML-AGEP-01	ML-AGEP-02	ML-AGEP-03	ML-AGEP-04
Gel Size (WxL)	50 × 50 mm	75 × 75 mm	100 × 100 mm	120 × 120 mm
Sample Capacity	20–30 wells	30–40 wells	40–60 wells	60–80 wells
Buffer Volume	~250 ml	~400 ml	~650 ml	~900 ml
Comb Options	1.0 / 1.5 mm	1.0 / 1.5 mm	1.0 / 1.5 mm	1.0 / 1.5 mm
Gel Tray Material	UV Transparent	UV Transparent	UV Transparent	UV Transparent
Safety Features	Lid with interlock	Lid with interlock	Lid with interlock	Lid with interlock
Operating Voltage	50–150 V	50–150 V	50–150 V	50–150 V
Tank Material	High-quality acrylic	High-quality acrylic	High-quality acrylic	High-quality acrylic

SDS-PAGE Electrophoresis (Vertical System)

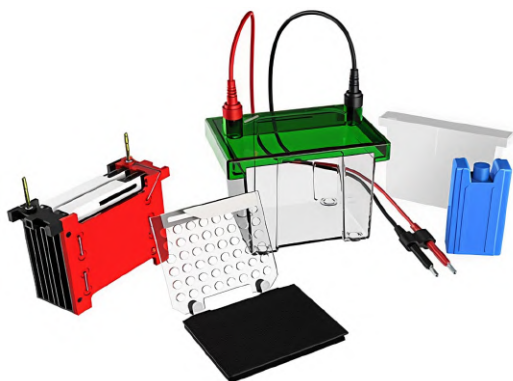
The SDS-PAGE Electrophoresis system is a reliable vertical unit for protein separation based on molecular weight. It utilizes high-quality glass plates and a leak-proof design to ensure consistent and reproducible results. Suitable for running multiple gels simultaneously, it enhances laboratory efficiency. This system is widely used in molecular biology, biochemistry, and proteomics research.



Parameter	ML-WBSV-01	ML-WBSV-02	ML-WBSV-03
Gel Size	75 × 80 mm	100 × 100 mm	100 × 120 mm
Number of Gels	1–2 gels	1–2 gels	2–4 gels
Sample Volume	10–30 µl	10–40 µl	10–50 µl
Plate Material	Glass Plates	Glass Plates	Glass Plates
Buffer Volume	~300 ml	~600 ml	~1000 ml
Leak-proof Design	Yes	Yes	Yes
Cooling System	Passive	Passive	Optional cooling
Operating Voltage	50–200 V	50–200 V	50–200 V
Tank Material	Polycarbonate	Polycarbonate	Polycarbonate

Western Blotting System

The Western Blotting System is designed for efficient transfer of proteins from gels to membranes using wet transfer technology. It ensures uniform transfer with platinum-coated electrodes and supports multiple gels in a single run. The system is built with durable materials and includes safety features for secure operation. It is ideal for protein analysis, immunodetection, and advanced research applications.



Parameter	Specification
model	ML-WB-400
Blotting Capacity	1–4 gels
Gel Size Compatibility	Up to 100 × 100 mm
Transfer Method	Wet Transfer
Buffer Volume	~1000–2000 ml
Cooling Requirement	Ice pack / external cooling
Electrode Material	Platinum-coated titanium
Operating Voltage	20–100 V
Transfer Time	1–2 hours
Tank Material	High-quality acrylic
Safety Features	Interlock lid

Semi Dry Blotter

The Semi Dry Blotter enables rapid and efficient protein transfer with minimal buffer consumption. Its compact design and fast transfer time improve workflow efficiency in laboratories. Equipped with platinum-coated electrodes and safety protections, it ensures reliable performance. This system is ideal for routine protein blotting and research applications.



Parameter	ML-SDB1	ML-SDB2
Blotting Area	100 × 100 mm	200 × 200 mm
Number of Gels	1–2 gels	2–4 gels
Transfer Method	Semi-dry	Semi-dry
Transfer Time	15–30 min	15–30 min
Current Range	0–500 mA	0–1000 mA
Voltage Range	0–25 V	0–25 V
Electrode Material	Platinum-coated	Platinum-coated
Safety Features	Overcurrent protection	Overcurrent protection

Slab Gel Dryer

The Slab Gel Dryer is designed for quick and uniform drying of electrophoresis gels. It features a built-in vacuum system and precise temperature control for consistent results. The durable heating plate ensures even heat distribution, reducing drying time. This equipment is essential for preserving gels for documentation, storage, and further analysis.



Parameter	Specification
model	ML-WD-9410
Drying Area	220 × 220 mm
Temperature Range	Ambient to 80°C
Vacuum System	Built-in vacuum pump
Drying Time	30–90 minutes
Control Type	Digital temperature control
Display	LED/LCD
Heating Plate Material	Aluminum
Safety Features	Over-temperature protection
Power Supply	220V, 50/60Hz

-40°C Vertical Freezer

The -40°C Vertical Freezer is designed for reliable low-temperature storage of biological samples, vaccines, and reagents. It features precise digital temperature control and a high-efficiency cooling system for uniform performance. The durable stainless-steel interior ensures long-term use and easy maintenance. Equipped with alarm systems for safety, it is ideal for laboratories, hospitals, and research facilities.



Parameter	V270	V328	V368	V530	V1000
Temperature Range	-10°C to -40°C	-10°C to -40°C	-10°C to -40°C	-10°C to -40°C	-10°C to -40°C
Capacity	270 L	328 L	368 L	530 L	1000 L
Display	Digital LED	Digital LED	Digital LED	Digital LED	Digital LED
Temperature Accuracy	±1°C	±1°C	±1°C	±1°C	±1°C
Cooling System	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
Compressor Type	High-efficiency	High-efficiency	High-efficiency	High-efficiency	High-efficiency
Shelves/Drawers	Adjustable Shelves	Adjustable Shelves	Adjustable Shelves	Adjustable Shelves	Adjustable Shelves
Inner Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Outer Material	Powder-coated Steel	Powder-coated Steel	Powder-coated Steel	Powder-coated Steel	Powder-coated Steel
Alarm System	High/Low Temp Alarm	High/Low Temp Alarm	High/Low Temp Alarm	High/Low Temp Alarm	High/Low Temp Alarm
Power Supply	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz

Freezing Point Osmometer

The Freezing Point Osmometer is a precision instrument used to measure osmotic concentration based on freezing point depression. It delivers fast and accurate results with minimal sample volume requirements. The system features user-friendly controls and reliable calibration options for consistent performance. It is widely used in clinical labs, pharmaceuticals, and research applications.



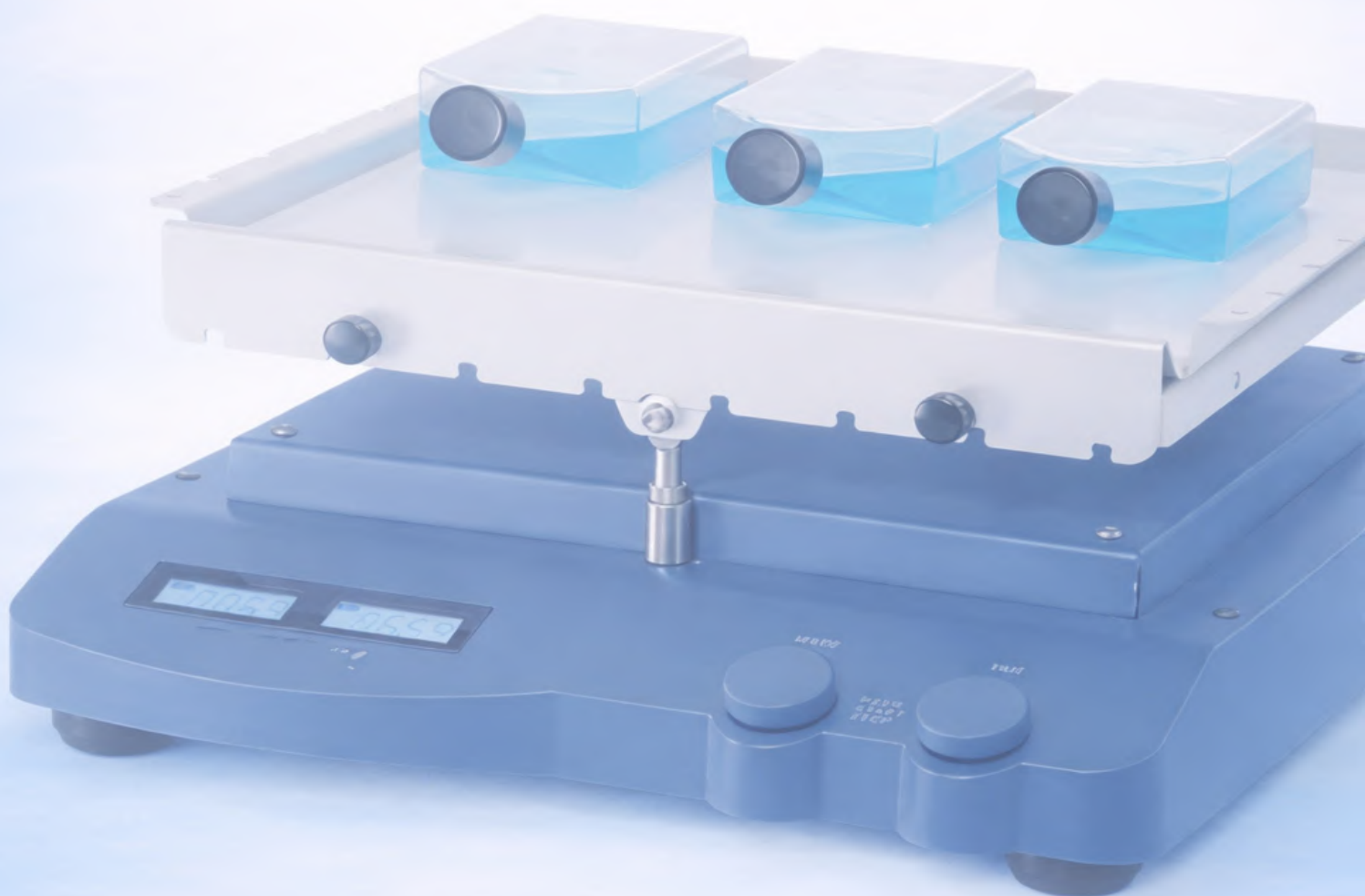
Parameter	ML-OSM-FP2	ML-OSM-FP3
Measurement Principle	Freezing Point Depression	Freezing Point Depression
Measurement Range	0 – 3000 mOsm/kg	0 – 3000 mOsm/kg
Resolution	1 mOsm/kg	1 mOsm/kg
Accuracy	±2 mOsm/kg	±2 mOsm/kg
Sample Volume	50–100 µl	20–50 µl
Measurement Time	≤ 90 seconds	≤ 60 seconds
Display	LCD	Touch Screen LCD
Calibration	Automatic / Manual	Automatic / Manual
Data Storage	Limited	Extended Storage
Interface	RS232 / USB	USB
Power Supply	220V, 50Hz	220V, 50Hz

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