

## BM-50 Series Rapid Moisture Meter

### Features:

- \* LCD Display
- \* RS232 communication interface
- \* Convenient and quick operating with 6 buttons.
- \* Heating element, Halogen lamps, proper for samples requires quick heating.
- \* Adopting heating-insulated weighing sensor avoids accuracy affected by heating.



### Technical Parameters:

Model	BM-50-10	BM-50-5	BM-50-1
Capacity	50g		
Weight Readability	0.01g	0.005g	0.001g
Moisture Readability	0.3%	0.2%	0.1%
Scale Size	Φ90mm		
Temperature Capacity	50~180°C	50~180°C	50~180°C
Ambient Temperature	10~30°C	10~30°C	10~30°C
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 50/60Hz; Power cord, no battery		
Package Size	370*470*350		
Gross Weight	4kg		

## Electronic Density (Specific Gravity) Balance

Website: [www.biobase.cc](http://www.biobase.cc) / [www.meihuatrade.com](http://www.meihuatrade.com)



### Technical Parameters:

Model	BA-100D	BA-200D
Max Capacity	100g	200g
Min Capacity	10mg	
Fixed Support	H=203mm	
Scale Size	Φ110mm	
Output	RS-232C	
Power Supply	AC110/220V±10%, 50/60Hz; Power cord, no battery	
Net Weight	1kg	
External Size	250*180*246mm	
Package Size	335*255*252mm	
Accessories	Measuring platform, measuring cup, fixed support, thermometer, doublehook weights, platinum wire, plumb bob, wire basket, balance body, adaptor and standard weights	

## Horizontal Electrophoresis Tank

Horizontal electrophoresis is a basic means in molecular biology research. It is widely used for DNA detection and separation, and molecular testing in the nucleic acid analysis, purification and preparation experiment.

## ET-H1 Horizontal Electrophoresis Tank

### Features:

- \* Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- \* Dismountable electrodes make maintenance easily.
- \* The PC transparent top lid prevents liquid volatilization and electricity leakage.
- \* Auto-switch-off when the lid is removed
- \* Recommended power supply: BPS-1/BPS-2



Email: [export@biobase.com](mailto:export@biobase.com)

### Technical Parameters:

Model	ET-H1
Gel Trays(W*L)	48*75mm
Buffer Volume	150ml
Comb Thickness	1&1.5mm
Comb Throughput	3, 5, 9 samples
NO. of Samples	3~18
Standard Accessories	Body tank with electrode*1, Gel tray 48*75mm*1, Gel box*1, 1.0mm thickness 3 wells comb*2, 1.5mm thickness 3 wells comb*2, 1.0mm thickness 5 wells comb*2, 1.5mm thickness 5 wells comb*2, 1.0mm thickness 9 wells comb*2, 1.5mm thickness 9 wells comb*2
External Size(L*W*H)	250*95*50mm
Package Size(L*W*H)	320*160*160mm
Gross Weight	1kg

## ET-H2 Horizontal Electrophoresis Tank

The ET-H2 is ideal for restriction fragment analysis, sample prep or checking of high numbers of samples.

### Features:

- \* Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- \* Dismountable electrodes make maintenance easily.
- \* Sample background color design, adding the sample conveniently.
- \* The PC transparent top lid prevents liquid volatilization and electricity leakage.
- \* Auto-switch-off when the lid is removed
- \* Recommended power supply: BPS-2/ BPS-3



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### Technical Parameters:

Model	ET-H2
Gel Trays(W*L)	60*60mm, 120*60mm, 60*120mm, 120*120mm
Comb Thickness	1&1.5mm
Comb Throughput	1, 2, 3, 6, 8, 11, 13, 18, 25 samples
NO. of Samples	1~100
Buffer Volume	550ml
Standard Accessories	Body tank with electrode*1, Gel tray 120*120mm*1, Gel tray 120*60mm*1, Gel tray 60*120mm*1, Gel tray 60*60mm*2, Gel box*1, Leveling feet*1 1.5mm thickness 1/2/3 wells comb*1, 1.0mm thickness 6/13 wells comb*2 1.0mm thickness 8/18 wells comb*2, 1.0mm thickness 11/25 wells comb*2
External Size(L*W*H)	300*160*75mm
Package Size(L*W*H)	460*250*200mm
Gross Weight	2kg

## ET-H3 Horizontal Electrophoresis Tank

### Features:

- \* Auto-switch-off when the lid is removed.
- \* Special gel caster, prevents the gel leakage.
- \* Dismountable electrodes make maintenance easily.
- \* The PC transparent top lid prevents liquid volatilization and electricity leakage.
- \* Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- \* Recommended power supply: BPS-2/BPS-3



**BIOBASE**

### Technical Parameters:

Model	ET-H3
Gel Tray (W*L)	200*200mm, 200*150mm, 200*100mm
Comb Thickness	1.0&1.8mm
Comb Throughput	17, 22, 36, 44 samples
NO. of Samples	17~264
Buffer Volume	1800ml
Standard Accessories	Body tank with electrode*1, Gel tray 200*200mm*1, Gel tray 200*150mm*1, Gel tray 200*100mm*1, Gel Caster*1, 1.0mm thickness 17 wells comb*2, 1.8mm thickness 17 wells comb*2, 1.0mm thickness 22 wells comb*2, 1.8mm thickness 22 wells comb*2, 1.0mm thickness 36 wells comb*4, 1.8mm thickness 36 wells comb*2, 1.0mm thickness 44 wells comb*2, 1.8mm thickness 44 wells comb*2, Leveling feet*4
External Size (L*W*H)	397*230*83mm
Package Size(L*W*H)	530*390*220mm
Gross Weight	5kg

## Vertical Electrophoresis Tank

Vertical electrophoresis is used for separation, purification and preparation of nucleic acid and protein samples in life science research.

### ET-V1 Vertical Electrophoresis Tank

#### Features:

- \* Easy installation \* Auto-switch off when the lid is removed
- \* Sample background color design, adding the sample conveniently.
- \* Abundant buffer not only guarantees cooling effects, but also keeps the PH value stable during the whole experiment process
- \* With the gel making device of normal position, don't should to moving the glass plate from the process of making gel to electrophoresis, convenient for observation the gel preparation from the glass on both sides, ensures fast set up times and leak-free operation.

\* Recommended power supply: BPS-2

Website: [www.biobase.cc](http://www.biobase.cc) / [www.meihuatrade.com](http://www.meihuatrade.com)

Model	ET-V1
Glass Tray (W*L)	100*100mm
Gel Tray (W*L)	82*88mm
Comb Thickness	0.75, 1.0 & 1.5mm
Comb Throughput	11, 15 samples
Amount of Gel:	1~2 piece
NO. of Samples	11~30
Buffer Volume	750ml
Standard Accessories	Body tank with electrode*1, Gel casting base*1, Notched glass plates*4, 0.75mm bonded glass spacer*2, 1.0mm bonded glass spacer*2, 1.5mm bonded glass spacer*2, 0.75 mm thickness 11 wells comb*2, 1.0mm thickness 11 wells comb*2, 1.5mm thickness 11 wells comb*2, 0.75mm thickness 15 wells comb*2, 1.0mm thickness 15w ells comb*2, 1.5mm thickness 15 wells comb*2, Gel shovel*1, Clamp version*2, Dummy plate*1
External Size (L*W*H)	150*120*115mm
Package Size(L*W*H)	370*300*220mm
Gross Weight	2kg

### ET-V2 Vertical Electrophoresis Tank

#### Features:

- \* Easy installation \* Safety button for lid opening
- \* Auto-switch off when the lid is removed
- \* Precast gel core, do not affecting the operation of gel making while the electrophoresis.
- \* Abundant buffer not only guarantees cooling effects, but also keeps the PH value stable during the whole experiment process.
- \* With the gel making device of normal position, don't should to moving the glass plate from the process of making gel to electrophoresis, convenient for obser vation the gel preparation from the glass on both sides, ensures fast set up times and leak-free operation.
- \* Recommended power supply: BPS-3



#### Technical Parameters:

Model	ET-V2
Glass Trays (W*L)	216*220mm
Gel Trays (W*L)	186*205mm
Comb Thickness	1.0mm
Comb Throughput	25, 40, 52 samples
Amount of Gel	1~2 pieces
NO. of Samples	25~52
Buffer Capacity	3500ml
Standard Accessories	Body tank with electrode*1, Gel casting base*1, Notched glass plates*4, 1.0mm bonded glass spacer*4, 1.0mm thickness25 wells comb*2, 1.0mm thickness 40 wells comb*2, 1.0mm thickness 52 wells comb*2, 25 well Guide sample device*2, 40 well Guide sample device*2, 52 well Guide sample device*2
Optional Accessory	Cooling circulation device
External Size(L*W*H)	280*140*250mm
Package Size(L*W*H)	460*400*450mm
Gross Weight	9kg



## Basic Power Supply



### Features:

- \* Auto-switching function.
- \* Automatic memory function.
- \* Control: Intelligent microprocessor control unit
- \* Automatic detection of no-load, over-load, short circuit, rapid resistance change, ground leak and system overheating.

### Technical Parameters:

Model	BPS-1
Output	Constant-voltage or current(adjustable)
Output range	5~300V, 1~300mA, 90W (Maximum)
Increment	1V, 1mA
Timing	1min~9h59min
Display	LED: constant-voltage, current and power values
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
External Size(L*W*H)	280*237*118mm
Package Size(L*W*H)	380*340*230mm
Gross Weight	4kg

## Universal Power Supply



### Features:

- \* 10 electrophoresis methods can be stored.
- \* Automatic memory function.
- \* Buzzer alarm for misoperation & faults.
- \* Unibody design, touch keys, dual core microprocessor control.
- \* Display preset value and actual output value at the same time.
- \* Automatic detection of no-load, over-load, short circuit, rapid resistance change, ground leak and system overheating

### Technical Parameters:

Model	BPS-2	BPS-3
Voltage Range	3~300V	10~600V
Current Range	1~400mA	1~500mA
Power Range	1~120W	1~300W
Increment	1V, 1mA, 1W	
Type of Output	Constant-voltage, current or power	
Display	LCD	
Output Port	Four sets	
Timing	1min~9h59min	
Optional	Power recovery function; Non-proliferation field function	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
External Size(L*W*H)	280*237*118mm	
Package Size(L*W*H)	380*340*230mm	
Gross Weight	4kg	

## Gel Document Imaging System

Gel Document Imaging System is used for gel band observation and analysis after electrophoresis run by using software technology and the band picture can be zoomed in or zoomed out according to user's requirements.

### Features:

- \* CCD with lower lux and high-resolution.
- \* Six time zoom lens and simple to enlarge and shrink gel photos.
- \* A multi-layer gel-filter effectively filters background noise.
- \* The gel can be placed in the center position by the indicator.
- \* **Intelligent control box:**
  - a. The zoom, focus, aperture, UV light and white light can be controlled through panel key and computer;
  - b. The UV light can shut down when the door is opened and reactivate when the door is shut;
  - c. The UV light protection system can shut down the lights with 15 minute delay automatically;
  - d. Drawer-style gel platform.



### Technical Parameters:

Model	BK04S-3C	BK04S-3E
Effective Pixels	1280*1024	2560 *1920
Pixel Density	10 bit	
Pixel Size	5.4*5.4μm	
Resolution	1.4 megapixels	5.0 megapixels
Signal to Noise Ratio	≥ 56db	
Sensitivity	Can detect the double chain DNA of EB staining below 20pg	
Camera	Low illumination and high resolution digital CCD	
Zoom Lens	F=1:1.2,2/3 inch 6 times zoom lens	
Filter	590nm	
UV Light Transmission Area(W*L)	250*200mm	
Visible Light Transmittance Area(W*L)	250*210mm	
Transmission UV Wavelength	302nm	
Reflectance UV Wavelength	254, 365nm	
Transmission UV Lamp Power	8W	
Reflectance UV lamp Power	11W	
External Size(L*W*H)	470*405*820mm	
Package Size(L*W*H)	Main machine: 710*760*1390mm, Accessory: 420*320*330mm	
Gross Weight	Main machine: 61kg Accessory: 2.5kg	

## UV-Transilluminator

### Application:

UV Transilluminator is the necessary instrument for observed, photographed and cutting the electrophoresis gel.

### Features:

- \* With the operating port for cutting the gel.
- \* No need for dark room, can be used for all weather.
- \* Using the UV filter glass quartz ultraviolet lamp, long service life, light uniform.



### Technical Parameters:

Model	UVT-02S
Transmission Size(W*L)	200*150mm
Transmission UV Wavelength	302nm
Reflectance UV Wavelength	254, 365nm
Transmission UV Lamp Power	302nm(8W)
Reflectance UV Lamp Power	254nm(11W), 365nm(11W)
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)	435*295*490mm
Package Size(W*D*H)	700*640*810mm
Net Weight	17kg
Gross Weight	45kg

## Classic Thermal Cycler

### Features:

- \* 7" TFT color cull touch screen, graphically protocol edit and running
- \* Outstanding uniformity, producing best PCR result
- \* Effortlessly interchange the modules without tool
- \* 10,000 protocols storable on board
- \* Global universal power supply (85V-265V, 50-60Hz)



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### Technical Parameters:

Model	BK-AI	BK-AII
	Standard Thermal Cycler	Gradient Thermal Cycler
Optional Module	96 Module: 96 wells*0.2ml	
	9677 Module: 96 wells*0.2ml+77 wells*0.5ml	
	384 Module: 384 wells	
	Muoti-purpose Module: 9677 Module+In-situ Adaptor	
Heating and Cooling Technology	Newest generation Peltier-based technology, with long life up to 1,000,000 cycles	
Display	7" Color Touch Screen, graphical display of protocols and running status	
Language	Bilingual: English and Chinese	
USB Flash Drive	Unlimited storage of protocols with USB flash drive	
Communications	USB 2.0, LAN and RS232	
<b>Temperature</b>		
Block Temperature Range	0°C~105°C	
Max. Heating Rate	5°C/s	
Max. Cooling Rate	5°C/s	
Temperature Uniformity	≤ ±0.2°C (at 95°C)	
Temperature Accuracy	≤ ±0.2°C (35°C-100°C)	
Display Resolution	0.1°C	

Model	BK-AI	BK-AII
Mode Of Temperature Control	Sim-tube & Block mode	
Ramping Rate Adjustable	Yes	
<b>Gradient</b>		
Gradient Accuracy	/	≤ ±0.1°C (35°C~100°C)
Column Uniformity	/	≤ ±0.2°C (at 95°C)
Gradient Range	/	35°C~100°C
Temp. Differential Range	/	Max 30°C
Gradient Capability	12 Column	
<b>Heated Lid</b>		
Height of Heated lid	Steplessly Adjustable lid, accommodates a wide range of PCR tubes and plates	
Open method	Innovative TOP-OPEN technology realizes most easy lid-open	
Heated Lid Temperature Range	30°C~105°C	
Auto Shut-off	Yes	
<b>Software</b>		
Max. Number of Programs	Max.10,000 programs onboard, unlimited storage of protocols with USB flash drive	
Max. step	30 steps, multiple nesting cycle available	
Max. cycle	100 typical cycles(duplex nesting 10,000 cycles)	
Time & Temp. Increment/Decrement	Yes, available for long PCR & Touchdown PCR	
Auto Pause/Auto Restart	Yes	
Multi-user log in	With password-based authentication, protect personal protocols	
Tm calculator	Automatically calculates the melting and annealing temperature with two primer sequences	
Hold At 4°C	Yes, a below ambient temperature incubation allow PCR results storage overnight	
Program wizard	Yes, create PCR protocols with only a few clicks	
Running Report	Yes, provide precise data support for analyzing of experimental results	
PC Connection	PC remote control to manage more than 100 units of AI/AII across the network	
<b>Other features</b>		
Power	Global switch power supply: 85V-265V, 50-60Hz Max.600W	
Packing size(L*W*H)	430*340*335mm	
Gross Weight	9.8kg	



## Fluorescence Quantitative PCR Detection System



### Features:

- \* It performs 96 sample capacity.
- \* 5 detection channels and wider temperature range.
- \* Global wide range power supply
- \* Available for a variety of scientific research and clinical applications.

### Optional Accessories:

- \* Tablet PC

### Technical Parameters:

Model	BK-96P				
Sample Capacity	96-well PCR plate, 12*8-strip, 96*0.2(Bottom Transparent)				
Dynamics Range	1-10 <sup>10</sup> Copies				
Excitation Wavelength	300~800nm				
Emission Wavelength	500~800nm				
Detected Fluorescence	F1: FAM, SYBR GREEN I F2: VIC, HEX, TET, JOE, CY3, NED, TAMRA.	F1: FAM, SYBR GREEN I, F2: VIC, HEX, TET, JOE, CY3, NED, TAMRA. F3: ROX, TEXAS-RED.	F1: FAM, SYBR GREEN I F2: VIC, HEX, TET, JOE, CY3, NED, TAMRA. F3: ROX, TEXAS-RED. F4: CY5	F1: FAM SYBR GREEN I F2: VIC, HX, TET, JOE, CY3, NED, TAMRA. F3: ROX, TEXAS-RED.	F1: FAM SYBR GREEN I F2: VIC, HX, TET, JOE, CY3, NED, TAMRA. F3: ROX, TEXAS-RED. F4: CY5. F5: CY5.5

Model	BK-96P
Block Temp. Range	4~105°C (Minimum increment: 0.1°C) SOAK Low Temp. Conservation Function
Heating/Cooling Rate	4.0°C/s(max)
Temp. Control Accuracy	≤ ±0.1°C
Temp. Fluctuation	≤ ±0.1°C
Temp. Uniformity	≤ ±0.3°C
Temp. Control Mode	BLOCK/Tube Simulation Mode(Automatic Control Based On Sample Volume)
Sample Volume Range	5~100μL
Gradient Temp. Range	1~36°C
Hot-lid Temp. Range	30~110°C(Adjustable, Default 105°C), Automatic Hot-lid
Fluorescence Detection Repeatability	5%
Scan Mode	Entire plate of designated line
Program	Max 20 Segments for Each Program, Max 99 Cycles
Operation Mode	Continuous
Scan Period	5.5s
Feature Function	Absolute quantification, relative quantification, SNP Analysis, Data automatic analysis, melting curve genotyping, Gradient, multi-channel crosstalk correction, background correction, automatic gain, customized parameters.
Operation System	Microsoft: windows7/windows8.1 Software: excel2000/2002/2007/2012
PC Configuration	Memory: 2G Hard disk: 32GB
Power Supply	100~240V, 50/60Hz, 600W
Socket	USB Adapter, RS232 Adapter, Bluetooth Adapter Ferrotec Peltier/CE(EMC&LVD)/IVD/RoHS2/PICC
Authentication	Product quality liability insurance
Dimension(L*W*H)	410*386*352mm
Packing Size	820*790*680mm
Gross Weight	85KG

## Classic Thermal Cycler



### BK-EO Features:

- \* Intuitive interfaces
- \* Superior performance
- \* Multiple temperature control modes
- \* Gradient function thermal cyclers
- \* Smart block
- \* Three modes of operation for your choice

### BK-TC Features:

- \* Higher precision of temperature control
- \* Faster heating and cooling speed
- \* Better block temperature uniformity
- \* Smaller instrument dimension
- \* More silent operation environment
- \* Advanced thermoelectric cooling technology and creative TAS technology

### Technical Parameters:

Model	BK-EO	BK-TC
Sample Capacity	96-PCR plate(full-skirted), 96*0.2ml tubes, 12*8-strip	
Cooling Technology	Peltier-based	
Display	LCD display and touch creen(5.7 inch)	6.5 inch, 262 144 color LCD display and touch screen
Temp. Range	4.0~99.9°C	
Heating Speed of Ramping	Up to 4°C/s	
Cooling Speed of Ramping	Up to 4°C/s	
Temp. Uniformity	≤±0.3°C	≤±0.2°C
Temp. Accuracy	≤±0.1°C(50°C), ≤±0.2°C(≥90°C)	
Temp. Control Modes	BLOCK or TUBE	
Ramping Range Adjustable	0.1°C~4°C	
Memory	≥250 typical programs onboard, unlimited with USB flash drive expansion	
Max. No. of Cycle	99. Suitable for nested PCR	
Time up/down	0~9 min 59s, suitable for long PCR	
Temp. Up/Down	0~9.9°C, suitable for touchdown PCR	
Auto Pause/Power Protection	Yes	
Soak Function	Yes	
Gradient Range of Temp. Difference	1~30°C	
Gradient Range	30~99.9°C	
Hot-lid Temp. Range	Room temperature +5°C~110°C(default 105°C)	
Height of Hot-lid	Automatic Adjusted	
Auto Shut-off Function of Hot Lid	While block temperature is lower than set temperature or program ends, the hot-lid will be automatically closed	
Communication Interface	USB	LAN
Power Supply	100~240V, 50/60Hz, 600W	
Dimension	335*260*270mm	345*260*270mm
Packing Size(L*W*H)	495*410*395mm	495*410*395mm
Gross Weight	10.5kg	12.5kg

## PCR Centrifuge



### Features:

- \* Microprocessor control, LED display.
- \* Brushless motor, free maintenance, speed up and down quickly.
- \* Electric lid lock, over speed and imbalance protection.
- \* Easy to set and read RCF, speed synchronizes in time.



0.2ml\*4\*8

### Technical Parameters:

Model	BKC-PCR16
Max. Capacity	5ml*10
Max. Speed	16000rpm
Max. RCF	19040×g
Speed Accuracy	±20rpm
Temp. Range	-20°C~40°C
Temp. Accuracy	±1.0°C
Timing Range	1~99min
Noise	≤55dB
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	480*480*275
Package Size(W*D*H) mm	630*560*450
Net Weight(kg)	43
Gross Weight(kg)	57

### Rotor:

Rotor No.	Rotor	Capacity	Speed(rpm)	RCF(×g)
No.1	Angle Rotor	0.2ml*4*8 PCR	14000	13720