Product Catalogue

Innovative Design Meets Everyday Function

THE ORIGIN

A Story of Resilience, Purpose, and Innovation

When global supply chains and market pricing were disrupted by pandemic and ongoing geopolitical conflicts, **Questech Scientific** was confronted with a serious challenge in our commitment to the customers. As prolonged delays and increasing cost impacted the customers essential lab operations and ongoing projects, our team made a decision, instead of waiting for the situation to improve, we proactively seeking courageous alternatives to overcome the crisis.

In a war room buzzing with bold ideas and limitless possibilities, one spark ignited our team:
"Let's build our own brand!"

From that moment, **TriniTec** was born, a homegrown brand built from the ground by local experts, using accessible quality resources and driven by a deep understanding of the local market needs. What began as a swift response to counter disruptions quickly evolved into a growing range of products, guided by our team's sharp market insights and commitment to provide valuable and dependable products to the market.

TriniTec draws its name from three core values that shaped its foundation:

- **Precision** – as science demands accuracy.
- **Reliability** – as downtime is never an option.
- **Accessibility** – as great products should be affordable and within reach.

Today, what began as a survival instinct has evolved into a forward-looking, accessible, and distinguished brand built by Malaysians, designed to meet market standards. **TriniTec** is more than a product portfolio, it is testament of resilient and purpose-driven innovation. **TriniTec** stands by its enduring promise, to **deliver solutions crafted by experts, for experts.**

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Circulating Bath, High Precision

Features

- Advanced LCD controller with PID technology ensures precise and reliable temperature control
- User friendly interface with multi parameter display
- High performance pressure circulation pump for uniform circulation
- Equipped with an interface for external bath connection and drain valve for easy maintenance
- Removable ventilation grille simplifies cleaning of the condenser in the refrigeration system
- The bath can accommodate a 500ml beaker and allows direct insertion of a viscometer for testing
- Overtemperature and dry-run protection to safeguard sample integrity

Specification

Model	PCB-150
Max Bath Capacity, L	7
Temperature Range, ºC	-10 to 100
Temperature Accuracy, ºC	±0.01
Temperature Stability, ºC	±0.02
Cooling at 20ºC, W	150
Cooling Rate	From 37℃ to 25℃ ≤ 20 minutes
Heating Rate	From 25℃ to 37℃ ≤ 6 minutes
Refrigerant Type	R134a (150g)
Temperature Sensor Type	PT100
Controller Display	LCD screen
Max Circulating Pump Flow Rate, L/min	8
Circulation Mode	Internal or External
Inlet/Outlet Pipe Diameter, mm	ϕ16
Circulating Fluid	Above 10℃: Pure water; Below 10℃: 50% Ethylene Glycol + 50% Pure Water
Bath Opening/Depth, mm	150 × 150 × 150
Dimensions (W × D × H), mm	440 × 530 × 415 mm (*including controller head*)

Dry Bath

Features

- Real-time monitoring with instant temperature display during operation
- Multi-program functionality to customize daily operation up to 9 programmable settings
- Built-in overtemperature protection to safeguard user and sample
- Delivers optimal performance through smart temperature regulation and adaptive control
- Automatic power recovery during power failure event
- Wide selection of interchangeable modules to meet diverse application needs
- Advanced fault detection with alarm
- Automatic module recognition is available for DBS model
- Dual module can be operated parallelly for DPD model
- Unit must be ordered with block(s)

DBS-100PRO

DPD-1002

Specification

Model	DBM-100	DBM-100C	DBL-100	DBL-100C	DBD-1002	DBS-100PRO	DBS-100PROC
Temperature range, °C	RT+5 to 100	15 to 100	RT+5 to 100	15 to 100	RT+5 to 100		-5 to 100
Temperature stability, °C	± 0.5						
Max heating rate, °C/min	≤ 6						
Max cooling rate, °C/min	N/A	≤ 2	N/A	≤ 2	N/A	N/A	5 above RT; 1 below RT
Speed range, rpm	N/A					100 – 1500 (general); 100 – 800 (DBS-5 & -6)	
Timing range	5s – 23h59min						
Programmable	N/A	Yes	N/A	Yes	Yes	N/A	Yes
Module selection	single				dual	single	
Module size (LxWxH), mm	71 x 47 x 32		110 x 75 x 32		110 x 75 x 32	Refers to Page 6	

Module Selection for DBM series

Module Option	Types of vessel	No. of place
DBM-1	0.2ml microcentrifuge tube	40
DBM-2	0.5ml microcentrifuge tube	24
DBM-3	1.5ml microcentrifuge tube	15
DBM-4	2.0ml microcentrifuge tube	15

Module Selection for DBL and DBD series

Module Option	Types of vessel	No. of place
DBL-1	0.2ml microcentrifuge tube	96
DBL-2	0.5ml microcentrifuge tube	48
DBL-3	1.5ml microcentrifuge tube	35
DBL-4	2.0ml microcentrifuge tube	35
DBL-5	5.0ml vacuum blood tube	24
DBL-6	5/15ml centrifuge tube	12
DBL-7	50ml centrifuge tube	6
DBL-8	Flat bottom plate (ELISA/ culture plate etc)	1
DBL-9	Cuvettes dedicated module	20

Module Selection for DBS series

Module Option	Types of vessel	Module size (L x W x H), mm	Max speed	No. of place
DBS-1	0.2ml microcentrifuge tube	134 x 100 x 20	1500 rpm	96
DBS-2	0.5ml microcentrifuge tube	134 x 98 x 51		24
DBS-3	1.5ml microcentrifuge tube	134 x 98 x 51		24
DBS-4	2.0ml microcentrifuge tube			24
DBS-5	Flat bottom plate (ELISA/ culture plate etc)	136 x 100 x 34		1
DBS-6	15ml centrifuge tube	140 x 106 x 82	800 rpm	8
DBS-7	50ml centrifuge tube			4
DBS-LID	Thermal cover for DBS-1 to -5*	N/A	N/A	6

**Thermal cover and clear lid cannot be used together*

Water Bath, Shaking

Features

- Easy maintenance stainless steel tank and lid
- LCD screen display with timing function
- Automatic overtemperature cut off in case of low water level with visible and audible alarm
- Independent temperature-limiting alarm system

Specification

Model	SWB01	SWB02	SWB03	SWB01C
Temperature Range, °C	RT + 5 to 100			10 to 100
Temperature uniformity, °C	± 1			
Display resolution, °C	0.1			
Shaking speed range, rpm/min	30 to 180			
Amplitude, mm	30 (standard); 40 (option)			
Internal Dimension (WxDxH), mm	438 x 310 x 250		618 x 310 x 250	440 x 300 x 250
External Dimension (WxDxH), mm	643 x 350 x 353		823 x 350 x 355	710 x 410 x 710

Water Bath, General

Features

- Easy maintenance stainless steel tank and lid
- LCD screen display with timing function
- Automatic overtemperature cut off in case of low water level with visible and audible alarm
- Independent temperature-limiting alarm system

GWB12/27

GWB10 with optional transparent lid

GWB20

Specification

Model	GWB05	GWB10	GWB20	GWB12	GWB27
Temperature Range, °C	RT + 5 to 100				
Temperature uniformity, °C	± 0.3			± 0.2	
Timing range, min	1 to 5999				
Capacity, L	2 holes Ø112 mm	4 holes Ø92 mm	6 holes Ø92 mm	11	20
Internal Dimension (WxDxH), mm	130 x 280 x 150	220 x 280 x 150	290 x 490 x 150	300 x 240 x 200	500 x 300 x 200
External Dimension (WxDxH), mm	396 x 250 x 260	396 x 330 x 260	600 x 390 x 260	480 x 300 x 480	680 x 360 x 390

Ultrasonic Cleaner

Features

- Advanced microprocessor-controlled ultrasonic cleaning with sweep technology
- Durable, cavitation-resistant stainless steel tanks
- Back-lit LED display with temperature and time control
- Ergonomic design with handles and drainage valve for easy operation
- Cover lid minimizes noise and better heating process
- Dedicated degas function to enhance cleaning performance

UCD-06

Specification

Model	UCD-02	UCD-03	UCD-06	UCD-10	UCD-15	UCD-20	UCD-30
Max volume, L	2	3	6	10	15	20	30
Tank size (LxWxD), mm	150 x 138 x 100	238 x 138 x 100	302 x 152 x 150	302 x 239 x 150	325 x 295 x 150	498 x 296 x 150	502 x 298 x 200
No. of vibrating transducer	1	2	3	4	6	6	8
Power, W	60	120	180	240	360	360	480
Working frequency, kHz	40						
Timing range, min	0 – 60						
Temperature range, °C	RT - 80						
Heating & degassing	Yes						
Drain valve	N/A			Yes			
Handle	N/A	Yes					

Centrifuge, Mini

Features

- Palm-size and quiet operation
- Max speed at 7000 rpm/ 3130 xg
- User friendly design of 2-in-1 rotor and transparent lid
- Suitable for PCR and microcentrifuge tube

CMN-3K

Centrifuge, Midi

Features

- Real-time operation in view with over temperature safety cut-off
- 2-in-1 multi rotor with transparent lid
- Adjustable speed and time control with digital display
- Braking function to quickly stop the unit for open-lid protection and unintended incident
- Save up to 9 sets of programmable memory
- Suitable for PCR and microcentrifuge tube

CMN-9K

Specification

Model	CMN-3K	CMN-9K
Operation control	Manual	Push Button, Digital
Max speed, rcf	3,010	9,660
Speed range, rpm	7,000	1,000 - 12,000
Max speed acceleration/ reduction, s	≤12 / ≤ 15	
Noise level, dBA	≤ 47	
Timing range	N/A	30s – 59min50s
Compatible with	0.2 ml x 16 1.5/2.0 ml x 8 0.2 ml 8-well PCR strip x 2	0.2/0.5/1.5/2 ml x 12 0.2 ml 8-well PCR strip x 4 0.5/1 ml micro blood tube x 12

Centrifuge, Low Speed

Features

- Compact-size with multiple rotor in selection
- Max speed at 4000 rpm/ 2164 xg (depends on rotor)
- Ventilation model with over-temperature protection
- Adjustable speed and time control with digital display
- Braking function to quickly stop the unit for open-lid protection and unintended vibration during operation
- Save up to 9 sets of programmable memory
- Suitable for centrifuge tube, blood tube and 96-well PCR plate

CML-9604

Specification

Model	CML-5006	CML-1512	CML-1018	CML-9604
Rotor type				
Rotor max capacity	15/50ml x 6 2/5/10ml x 6	15ml x 12 2/5/10ml x 12	2/5/10ml x 18	96-well PCR plate x 4
Operation control	Push Button, Digital			
Max speed, rcf	2146	2075	2182	500
Speed range, rpm	500 - 4000			500 - 2000
Timing range	30s – 59min50s			

Centrifuge, High Speed

CMH-16100

Features

- Automatic rotor recognition with multiple rotor in selection
- Max speed at 16500 rpm/ 24814 xg (depends on rotor)
- Ventilation model with over-speed and imbalance detection
- Glove-sensitive LCD touch screen with password protection for parameter setting
- Autoclavable rotors with easy-to-maintain Teflon-coated chamber
- Save up to 1000 sets of user-defined programs and data can be exported via USB
- Up to 40 rates of acceleration and deceleration settings

Specification

Model	CMH-16100
Max speed, rcf	24814
Speed range, rpm	16500
Max capacity, ml	6 x 100ml
Speed accuracy, rpm	± 10
Timing range	1s – 99h59m59s
Noise level, dB(A)	≤ 60 dB(A)
Operation control	LCD Touch Screen

Features

Autoclavable rotors with easy-to-maintain Teflon-coated chamber

Glove-sensitive LCD touch screen with password protection for parameter setting

Rotor Selection

CFR-0212

Rotor:Fixed angle rotor
Capacity:12x1.5/2.2ml
Max speed:16500rpm
Max RCF:19053×g
Tube size:Φ11x42mm

CFR-0224

Rotor:Fixed angle rotor
Capacity:24x1.5/2.2ml
Max speed:16000rpm
Max RCF:24814×g
Tube size:Φ11x42mm

CFR-0224A

Rotor:Fixed angle rotor
(aerosol tight)
Capacity:24x1.5/2.2ml
Max speed:16000rpm
Max RCF:24814×g
Tube size:Φ11x42mm

CFR-0236

Rotor:Fixed angle rotor
Capacity:36x1.5/2.2ml
Max speed:13000rpm
Max RCF:15625×g
Tube size:Φ11x42mm

CFR-0248

Rotor:Fixed angle rotor
Capacity:48×1.5/2.2ml
Max speed:12000rpm
Max RCF:15712×g
Tube size:Φ11×42mm

CFR-0512

Rotor:Fixed angle rotor
Capacity:12x5ml
Max speed:15000rpm
Max RCF:18287×g
Tube size:Φ14x54mm

CFR-1006

Rotor:Fixed angle rotor
Capacity:6x10ml
Max speed:16000rpm
Max RCF:19004×g
Tube size:Φ16x86mm

CFR-1012

Rotor:Fixed angle rotor
Capacity:12×10ml
Max speed:13000rpm
Max RCF:15625×g
Tube size:Φ16×86mm

CFR-1024

Rotor:Fixed angle rotor
Capacity:6x10ml
Max speed:16000rpm
Max RCF:19004×g
Tube size:Φ16x86mm

CFR-1508

Rotor:Fixed angle rotor
Capacity:8x15ml
Max speed:13000rpm
Max RCF:14945×g
Tube size:Φ17x121mm

CFR-1512

Rotor:Fixed angle rotor
Capacity:12x15ml
Max speed:10000rpm
Max RCF:11045×g
Tube size:Φ17x121mm

CFR-3006

Rotor:Fixed angle rotor
Capacity:6x30ml
Max speed:13000rpm
Max RCF:14945×g
Tube size:Φ25.5x100mm

CFR-5006C

Rotor:Fixed angle rotor
Capacity:6×50ml conical bottom
Max speed:12000rpm
Max RCF:15712×g
Tube size:Φ29×116mm

CFR-5006R

Rotor:Fixed angle rotor
Capacity:6×50ml round bottom
Max speed:12000rpm
Max RCF:15712×g
Tube size:Φ29×111mm

CFR-5008C

Rotor:Fixed angle rotor
Capacity:8x50ml conical bottom
Max speed:10000rpm
Max RCF:11045×g
Tube size:Φ29x116mm

CFR-5008R

Rotor:Fixed angle rotor
Capacity:8x50ml round bottom
Max speed:10000rpm
Max RCF:11045×g
Tube size:Φ29x111mm

CFR-10004

Rotor:Fixed angle rotor
Capacity:4x100ml
Max speed:10000rpm
Max RCF:11045×g
Tube size:Φ38x123mm

CFR-10006

Rotor:Fixed angle rotor
Capacity:6x100ml
Max speed:8000rpm
Max RCF:7720×g
Tube size:Φ38x123mm

CFR-PCR08

Rotor:Fixed angle rotor
Capacity:8x0.2ml PCR strip
Max speed:13000rpm
Max RCF:14643×g

CFR-MP4804

Rotor:Microplate rotor
Capacity:2x2×48 well plate
Max speed:4000rpm
Max RCF:1538×g
max: 128×48x60mm

Mechanical Homogenizer

Features

- Stepless 6-speed control for easy operation
- Interchangeable stainless steel probe provides flexibility in sample processing
- Hand-held or bench top friendly design
- Powerful motor for disruption, emulsion or homogenization
- Rugged design with stainless steel housing

HGZ-1300

Specification

Model	HGZ-160	HGZ-1300
Speed range, rpm	5000- 35000	9000 - 28000
Volume range, ml	0.5 - 250	250 - 5000
Speed control	Stepless 6-speed equalization	
Power, W	160	1300
Standard probe, mm	Ø 10, Flat bottom	Ø 25, Saw tooth
Base	H-stand (option)	Non-slip

Choice of Probes

Model	Design	Types	Capacity, ml	Compatible with
HGZ-FB6		Ø 6, Flat bottom	0.5 – 50	HGZ-160
HGZ-FB8		Ø 8, Flat bottom	1 – 100	
HGZ-FB10		Ø 10, Flat bottom	5 - 250	
HGZ-ST18		Ø 18, Saw tooth	500 - 3000	HGZ-1300
HGZ-ST25		Ø 25, Saw tooth	500 - 5000	
HGZ-ST36		Ø 36, Saw tooth	500 - 8000	

CO_2 incubator, IR sensor

Features

- Faster CO_2 concentration Restoration Speed.
- Infrared sensor can keep CO_2 concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber with rounded corners for easy cleaning
- Adjustable space between the shelves in the chamber
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust.
- Visual and audible alarm function for key parameters
- UV light system for periodic sterilization of chamber.
- PID controller with LCD screen ensures precise and reliable control.

Specification

Model	CIR-50AUV	CIR-80AUV	CIR-150AUV	CIR-190AUV	CIR-240AUV
Capacity, L	50	80	150	190	240
Heating Method	Air-jacketed, PID control				
Temperature Range, °C	RT + 5 to 55				
Temperature Stability, °C	±0.2				
CO_2 Control Resolution, %	±0.1 (IR sensor)				
30s Door Open Recovery Rate	Recovery to 37℃ ≤ 8 minutes; Recovery to 5% CO_2 ≤ 3 minutes				
Humidity System, %	Natural vaporization ≥ 90%				
Internal Dimension (WxDxH), mm	400 x 350 x 350	400 x 450 x 500	480 x 530 x 610	520 x 530 x 690	600 x 630 x 670
External Dimension (WxDxH), mm	580 x 450 x 730	590 x 657 x 870	670 x 710 x 950	708 x 710 x 1030	788 x 837 x 940
Shelves, pcs	2		3		
Sterilization Method	UV Sterilizer				

Heating Incubator

Features

- Easy maintenance of 304 stainless steel with mirror polishing
- PID controller ensures precise and reliable control of set parameter
- With inner glass door for easy observation

Option

- Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature
- Independent temperature-limiting alarm system ensures experiments run safely
- Viewing window
- UV sterilizer

Specification

Model	INA 6516	INA 6535	INA 6550	INA 6580	INA 65160	INA 65270	INA65420 INA65620 INA65999
Chamber volume, L	16	35	50	80	160	270	420/ 620/ 1000
Internal dimension (WxDxH), mm	250 x 260 x 250	340 x 320 x 320	415 x 360 x 355	500 x 400 x 400	500 x 500 x 650	600 x 600 x 750	640 x 585 x 1355 840 x 600 x 1355 890 x 740 x 1590
External dimension (WxDxH), mm	530 x 480 x 420	620 x 490 x 490	690 x 500 x 500	780 x 530 x 560	790 x 630 x 810	890 x 740 x 910	780 x 750 x 1880 980 x 800 x 1880 1050 x 880 x 2060
Temperature range, °C	RT + 5 to 65						
Temperature uniformity, °C	± 1.5 (at 37 °C)						± 2.0 (at 37 °C)
Ambient temperature, °C	5 to 35						
No. of shelf, pcs	2						3/ 4/ 4
User interface	LED						
Display resolution, °C	0.1						0.5
Timing range, min	0 to 5999						
Electrical requirement	220V 50 Hz						

Cooling Incubator

INC6070 INC60150 INC60250

Features

- Easy maintenance of 304 stainless steel with mirror polishing
- PID controller ensures precise and reliable control of set parameter
- With inner light for easy observation
- Adjustable fan speed for experiment setting

Option

- RS 485 connector can connect computer to save the data via software
- Independent over-temperature alarm system ensures experiments running safely
- Side access port of 25 mm for the installation of external temperature probe

INC601000 INC601500

Specification

Model	INC 6070	INC 60150	INC 60250	INC 60500	INC 60800	INC 601000	INC 601500
Chamber volume, L	70	150	248	492	778	1000	1500
Internal dimension (WxDxH), mm	400 x 350 x 500	503 x 370 x 808	540 x 460 x 1000	670 x 720 x 1020	800 x 590 x 1650	1050 x 590 x 1650	1550 x 590 x 1650
External dimension (WxDxH), mm	530 x 560 x 1080	600 x 630 x 1360	637 x 662 x 1590	850 x 1100 x 1930	1475 x 890 x 1780	1665 x 890 x 2005	2110 x 890 x 2050
Temperature range, °C	0 to 60						
Temperature stability, °C	± 0.5 to 1.0						
Temperature uniformity, °C	± 1.5 (at 25 °C)			± 2.5 (at 25 °C)			
Ambient temperature, °C	5 to 30						
No. of shelf, pcs	2	3					
User interface	LCD						
Display resolution, °C	0.1						
Timing range, min	0 to 5999						
Electrical requirement	220V 50 Hz						

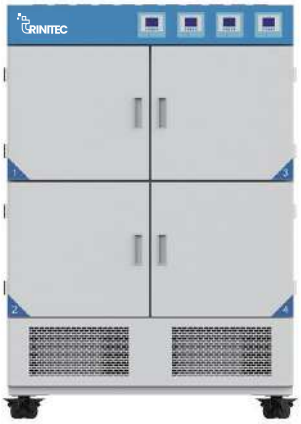
Cooling Incubator, Multi-chamber

Features

- Each chamber is independently controlled without mutual interference
- Easy maintenance of 304 stainless steel with mirror polishing
- PID controller ensures precise and reliable control of set parameter
- Independent temperature-limiting alarm system ensures experiments run safely
- Adjustable fan speed for experiment setting

Option

- USB port, printer connector and RS485/ 232 connector are options which can connect printer and computer to record the parameters and the variations of temperature
- Side access port of 25/ 50 mm for the installation of external temperature probe



Specification

Model	Multi-chamber Biochemical Incubator		Multi-chamber Mold Incubator	
	INC60150-2B	INC60100-4B	INC60150-2BUV	INC60100-4BUV
Chamber volume, L	150 x 2	100 x 4	150 x 2	100 x 4
Internal dimension/ chamber (WxDxH), mm	660 x 520 x 450	500 x 450 x 450	660 x 520 x 450	500 x 450 x 450
External dimension (WxDxH), mm	845 x 745 x 1975	1300 x 805 x 1885	845 x 745 x 1975	1300 x 805 x 1885
Temperature range, °C	0 to 60			
Temperature stability, °C	± 0.5			
Temperature uniformity, °C	± 1.0 (at 25 °C)			
Ambient temperature, °C	5 to 30			
No. of shelf/ chamber, pcs	3	2	3	2
UV sterilization system	Optional		Yes	
Display resolution, °C	0.1			
Timing range, min	0 to 5999			
Electrical requirement	220V 50 Hz			

Shaking Incubator

Features

- Easy maintenance of stainless-steel chamber
- LCD microprocessor controller for temperature and shaking speed with timing function.
- Self-check function to identify problems easily
- Soft start and stop system to prevent liquid spillage
- Auto-controller of fan speed
- Automatic stop operation when door is opened
- High effective filter provides filtration of bacteria and dust.
- Temperature-limiting alarm system, auto switch off when over-temperature.
- Maintenance-free DC Brushless motor, easy to clean

Option

- RS 485 connector can connect computer to save the data via software
- Independent temperature-limiting alarm system ensures experiments run safely
- Programmable Temperature Controller or Controller board with printer

Specification

Model	INS6528	INS6535	INS6545	INS6545C
Platform size, mm	280 x 280	350 x 350	450 x 450	
Standard platform	Spring wire racks			
Shaking speed range, rpm/min	40 to 250	40 to 300		
Amplitude, mm	20			
Temperature Range, °C	RT + 5 to 65			4 to 65 (at 20°C)
Display resolution, °C	±0.2℃			
Timing range, min	0 to 5999			

Platform used for flask clamp and tube holder

Model	Maximum of Flask Clamp in Monolayer					
	50ml	100ml	250ml	500ml	1000ml	2000ml
INS6528	16	9	8	4	-	-
INS6535	36	23	13	8	4	-
INS6545 INS6545C	49	36	18	16	9	4

Micropipette, Single Channel, Pro

Features

- Manual adjustable, variable volume micropipette
- Available in a range of dispensing volume ranges
- Ergonomically design for one-hand operation
- Light weight with low ejection forces to reduce the risk of Repetitive Strain Injury (RSI)
- Autoclavable at 121°C (20 minutes) without disassembly
- Volume-change protection to minimize error in liquid handling
- Corrosion-resistant piston and ejector
- Color-coded design for easy selection of the right tip
- CE-compliant

TPA-1000

Product Overview

User friendly volume-change protection
minimize pipetting error

Autoclavable at 121°C without disassembly
maximum protection against contamination

Light weight ergonomic design with one-hand operation
reducing risk of RSI

Corrosion-resistant piston and ejector
easy maintenance and calibration

Specification

Model	Volume Range, µl	Increment, µl	Volume, µl	Random Measurement Error, %	Systematic Measurement Error, %
TPA-1	0.1 – 1	0.001	0.1 0.5 1	±20.00% ±4.00% ±2.00%	±12.00% ±2.40% ±1.20%
TPA-10	0.5 – 10	0.01	1 5 10	±7.00% ±1.60% ±1.00%	±4.00% ±1.00% ±0.50%
TPA-20	2 – 20	0.02	2 10 20	±5.00% ±1.20% ±0.80%	±2.00% ±0.70% ±0.40%
TPA-50	5 – 50	0.05	5 25 50	±3.00% ±0.80% ±0.60%	±2.00% ±0.40% ±0.20%
TPA-100	10 – 100	0.1	10 50 100	±3.00% ±0.80% ±0.60%	±1.00% ±0.40% ±0.20%
TPA-200	20 – 200	0.2	20 100 200	±3.00% ±0.80% ±0.60%	±0.60% ±0.30% ±0.20%
TPA-1000	100 – 1000	1	100 500 1000	±3.00% ±0.80% ±0.60%	±0.60% ±0.30% ±0.20%
TPA-5000	500 – 5000	5	1000 2500 5000	±3.00% ±0.80% ±0.50%	±0.60% ±0.30% ±0.20%
TPA-10000	1000 - 10000	10	1000 5000 10000	±3.00% ±0.80% ±0.60%	±0.60% ±0.30% ±0.20%

Micropipette, Single Channel, Standard

TPS-1000

Features

- Engineered for comfort and reduced hand fatigue, ideal for prolonged pipetting tasks
- Clear and intuitive digital screen enables accurate and effortless volume setting
- Versatile for a wide range of laboratory applications, from molecular biology to analytical chemistry
- Each pipette features a unique identification code for enhanced traceability and streamlined lab inventory management
- Able to withstand high temperature sterilization at 121°C

Specification

Model	Volume Range, µl	Increment, µl	Volume, µl	Random Measurement Error, %	Systematic Measurement Error, %
TPS-10	0.5 – 10	0.1	1 5 10	± 2.50% ±1.50% ±1.00%	± 2.50% ±1.50% ± 1.00%
TPS-20	2 – 20	0.5	2 10 20	± 3.00% ± 1.20% ± 0.90%	± 2.00% ± 1.00% ± 0.40%
TPS-50	5 – 50	0.5	5 25 50	± 2.00% ± 0.90% ± 0.60%	± 2.00% ± 0.60% ± 0.30%
TPS-100	10 – 100	1	10 50 100	± 2.00% ± 0.90% ± 0.60%	± 0.10% ± 0.40% ± 0.15%
TPS-200	20 – 200	1	20 100 200	± 3.00% ± 0.80% ± 0.60%	± 1.00% ± 0.30% ± 0.15%
TPS-1000	100 – 1000	5	100 500 1000	± 1.50% ± 0.70% ± 0.60%	± 0.70% ± 0.25% ± 0.20%
TPS-5000	1000 – 5000	50	1000 2500 5000	± 0.70% ± 0.60% ± 0.50%	± 0.30% ± 0.30% ± 0.15%
TPS-10000	2000 – 10000	100	2000 5000 10000	± 1.50% ± 1.20% ± 0.60%	± 0.40% ± 0.30% ± 0.20%

Pipette Filler

Features

- Compatible with 0.1-100mL plastic and glass pipettes
- Ergonomic design with single-handed operation
- Precise speed control for liquid aspiration and dispensing
- Enclosed with 0.45μm hydrophobic filter to minimize the risk of contamination
- Rechargeable lithium-ion battery enables long run time per charge up to 8 hours
- Large, backlit LCD display provides battery status and speed settings
- Dual dispensing mode: gravity or dynamic
- Fast aspiration speed of 25ml in less than 5 seconds

TPF-100ES

Specification

Model	TPF-100ES
Volume range, ml	0.1 - 100
Speed control	6 adjustable speeds
Aspiration speed	25ml in < 5s
Dispensing mode	Gravity or Dynamic
Filter type	0.45μm hydrophobic filter
Battery type	Lithium-ion 2.4V/700mah
Recharge time	2 to 3 hours
Battery service life	8 hours of intermittence operation
For use with	All major brands of glass or plastic serological pipettes

Microplate Reader, Filter-based

Features

- Interactive touch screen operation with optimal control of the unit software
- Comes equipped with an eight-position filter wheel with five standard filters, 340nm, 405nm, 450nm, 492nm and 620nm
- Wavelength range of 340–850 nm for a wide variety of applications such as ELISA immunoassays, protein quantification, endotoxin, cytotoxicity and proliferation assays, enzyme assays and growth curves

MPR-96FTS

Specification

Model	MPR-96FTS
Technology	Absorbance
Wavelength range, nm	340 to 850
Wavelength selection	Filters (Standard wavelength of 340, 405, 450, 492 and 630nm)
Plate format	96 wells
Incubation range	RT + 4 to 50°C; 0 to 60 minutes
Plate Shaking	Linear
User interface	10” Touchscreen
Linearity at 450 nm, Abs	≤ 0.02
Accuracy at 450 nm, Abs	± 0.003
Precision at 450 nm, %	CV ≤ 0.2
Connection	USB 2.0, RJ45 network port, RS-232

Microplate Washer

Features

- Interactive touch screen operation with optimal control of the unit software
- Automatic liquid level sensing to avoid overflow issue
- Programmable protocol according to user setting
- Self-balancing wash head with two-point aspiration and bottom flushing
- Automatic washing, incubating and shaking can be selected to reduce interference during operation

MPW-9623

Specification

Model	MPW-9623
Wash Head	8-channel and 12-channel
Microplate format	96 wells with Flat/ U/ V bottom
Dispense volume	50 to 3000
Residue volume	< 1µl per well
Bottles	2 x Wash bottle, 1 x Flush bottle, 1 x Cushion bottle, 1 x Waste bottle
Aspiration time, sec	0.1 to 999.9
Wash time, sec	1 to 999
Incubating/ Shaking time, sec	0 to 999
User interface	7” Touchscreen
Washing program	Up to 200 programs

Hot Plate Stirrer

Features

- Forward and reverse stirring
- Automatic over-temperature protection
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C.
- Chemical resistant ceramic platform
- Dual temperature control mode
- Key lock function to secure operational setting

HPS-231T

HPS-531T

Specification

Model	HPS-528	HPS-531P	HPS-531T	HPS-2055T
Max stirring capacity, L	5			20
Stir range, rpm	50 - 1500			
Max surface temp, °C	280	310		550
Temp uniformity, °C	± 1			
Timing range	N/A	1min-12h		N/A
Operation control	Knob	Digital & Knob	Digital & Push Button	Digital & Knob
Working surface, mm	160 x 160			184 x 184
Package included	N/A	Stand, Clamp and Temp Probe		

Model	HPR-226	HPR-228P	HPR-231T
Max stirring capacity, L	2		
Stir range, rpm	200 - 1500		50 – 1500
Max surface temp, °C	260	280	310
Temp uniformity, °C	± 1		
Timing range	N/A		1min-12h
Operation control	Knob	Digital & Knob	Digital & Push Button
Working surface, mm	Ø 135		
Package included	N/A	Stand, Clamp and Temp Probe	

Magnetic Stirrer

Features

- Strong magnetic force to ensure consistent stirring
- Maintenance-free brushless motor
- Analog or digital speed control ranging from 50 to 2000 rpm
- Forward and reverse stirring
- Non-slip base for stable operation
- Speed and timer indicator during operation is available
- Stirring capacity ranging from 1L to 50L

MGS-01A

MGS-02A/02D

MGS-05D/10D/15D/30D/50D

Specification

Model	MGS-05D	MGS-10D	MGS-15D	MGS-30D	MGS-50D
Plate dimension, mm	180	220	220	260	330
Max stirring capacity, L	5	10	15	30	50
Stir range, rpm	50 – 1500			50 - 1300	50 - 1100
Timing range	1min-23h59min				
Display	Digital				

Model	MGS-01A	MGS-02A	MGS-02D
Plate dimension, mm	125	135	135
Max stirring capacity, L	1	2	2
Stir range, rpm	350 - 1800		200 - 2000
Display	N/A		Digital

Magnetic Stirrer, Multi

Features

- Modern design with advanced magnetic coil technology
- Simultaneous or independent control of each stirring position
- High resolution LCD display with time and speed indicator during operation
- Maintenance-free brushless motor
- Multiple position is available for flexibility in operation
- Heating option is available

MMS-1525

Specification

Model	MMS-405	MMS-410	MMS-605	MMS-905	MMS-1525
Max stirring position	4	4	6	9	15
Max stirring capacity, ml	500	1000	500	500	250
Stir range, rpm	50 – 1500				
Timing range	1min-19h59min				
Platform	Anti-corrosion PET surface				

Model	MHS-412	MHS-612	MHS-431PRO
Max stirring position	4	6	4
Max stirring capacity, ml	500	500	2000
Stir range, rpm	50 – 1200		50 - 1500
Platform	Stainless Steel		Ceramic
Max surface temp, °C	120		310
Timing range	1min-19h59min		

Microplate Shaker

Features

- Maintenance-free brushless motor
- Adjustable speed and time control with digital display
- Suitable for ELISA plate, tissue culture plate and deep well plate
- Application include immunoassay, ELISA, staining, blotting, extraction or denaturation of nucleic acids and proteins

MPS-120TC

Specification

Model	MPS-120TC	MPS-120DW
Operation control	Knob, Digital	
Speed range, rpm	500 - 1200	
Timing range	1min – 8h	
Compatible with	ELISA Plate or Tissue Culture Plate	ELISA Plate or Deep Well Plate

Rocker and Shaker

Features

- Non-slip map for stable sample holding
- Maintenance-free brushless motor
- Adjustable speed and time control with digital display
- Operating temperature range of 5 to 40°C allow for use in non-CO_2 incubator and low temperature chamber

RSO-20

RSK-25

RSL-32

Specification

Model	RSO-20	RSK-25	RSL-32
Types of motion	Orbital	Rocking	Linear
Platform dimension, mm	250 x 250		320 x 320
Operation control	Knob, Digital		
Speed range, rpm	40 – 200	10 - 80	40 - 200
Timing range	1min – 23h59min		
Max load capacity, kg	2		3

Overhead Stirrer

Features

- High resolution LCD display with stirring operation condition
- Maintenance-free brushless motor
- Electronic speed control for precise setting
- User friendly impeller adjustment via through shaft design (for PRO series)
- Set-to-forget timer for hand-free operation
- Integrated overload and overtemperature protection for large volume models
- Key lock function to secure the set parameter for large volume models

OHS-100PRO

Specification

Model	OHS-10D	OHS-20D	OHS-10PRO	OHS-20PRO	OHS-50PRO	OHS-100PRO
Speed range, rpm	100 - 1500	50 - 1200	100 - 1500	50 - 1200	100 - 2000	50 - 1200
Max volume, L	10	20	10	20	50	100
Max viscosity, mPas	8000	16000	8000	16000	35000	70000
Max torque, N.cm	15	30	15	30	50	100
Torque display	N/A		Yes			
Through shaft	N/A		Yes			
External temp sensor	N/A		Available as option			
Base	Non-slip					
Timing range	1 min – 24 h		0 – 24 h			

Choice of Impellers

Model	Design	Types	Compatible with
OHS-SRP		Stainless Steel Pitched Blade, 3 or 4	ALL
OHS-PSP		PTFE Paddle, Square	ALL except OHS-50PRO & OHS-100PRO
OHS-PCP		PTFE Paddle, Cross	
OHS-POW		PTFE Paddle, Straight	
OHS-P3B		PTFE Paddle, 3 blade	

Tube Rotator

Features

- User friendly paddle design for various sample loading
- Maintenance-free brushless motor
- Adjustable speed and time control with digital display
- Application-based motion selection for effective mixing
- Adjustable angled head offers minxing angles from 40 to 80° (TRW-80D only)

TRL-80D

TRW-80D

TRR-80D/ TRH-80D

Specification

Model	TRR-80D	TRH-80D	TRW-80D	TRL-80D
Types of motion	Reciprocal Cycling	Horizontal Rolling	Angled Carousel	Horizontal Rotating
Angle range	N/A		40° – 80°	N/A
Operation control	Push button, Digital			
Speed range, rpm	20 – 80			
Timing range	1min – 23h59min			
Max load capacity	50ml x 10		**Conical tube:** 50ml x 4, 15ml x 10, 2ml x 8 **Blood tube:** 10ml x 10, 2/5ml x 8	**Conical tube:** 50ml x 8, 15ml x 6, 1.5ml/2ml x 24 **Blood tube:** 10ml x 6, 2ml/5ml x 24

Vortex Mixer, Mini

Features

- Palm-size portable vortex mixer with 4.5mm orbit
- Maintenance-free brushless motor
- Touch to launch with IP 42 protection level
- Constant speed at 3000 rpm
- Suitable for 15ml and 50ml conical tube

VMA-200

Vortex Mixer, Ultra Slim

Features

- Wide mixing area for various containers
- Maintenance-free brushless motor
- Hand-free motion sensing control with IP 42 protection level
- Adjustable speed control with digital display
- Suitable for conical tube, test tube and flask

VMT-300L

Vortex Mixer, Multi Purpose

Features

- Multiple platform selection for different applications
- Maintenance-free brushless motor
- Intermittent or continuous mode of operation with IP 21 protection level
- Adjustable speed and time control with digital display
- Suitable for PCR tube, conical tube, test tube, multi-well plate and flask

VMM-300PRO

Specification

Model	VMA-200	VMT-300L	VMM-300PRO
Operation mode	Touch only	Touch & Continuous with motion sensor	Touch & Continuous
Operation control	N/A	Push Button, Digital	Push Button, Digital
Speed range, rpm	2000	100 - 3000	0 - 3000
Timing range	N/A		1min – 8h
Compatible with	conical tube	conical tube, test tube, flask	PCR tube, conical tube, test tube, multi-well plate

Drying Oven, Forced Air

Features

- Easy maintenance of 304 stainless steel with mirror polishing
- PID controller with over temperature alarm and timing function ensures precise and reliable control
- Air circulation system with specific air flow channel ensures a good temperature uniformity performance
- A damper adjustment in the front ensures the gas convection enough in working chamber.

Option

- Independent over-temperature alarm system ensures experiments running safely.
- RS 485 connector can connect computer to save the data via software.

Specification

Model	DOF 2516	DOF 2530	DOF 2550	DOF 2580	DOF 25136	DOF 25220	DOF 25420	DOF 25620	DOF 25999
Chamber volume, L	16	30	50	80	136	220	420	620	1000
Internal dimension (WxDxH), mm	250 x 260 x 250	340 x 320 x 320	420 x 395 x 350	450 x 400 x 450	550 x 450 x 550	600 x 500 x 750	640 x 585 x 1355	840 x 600 x 1355	800 x 700 x 1590
External dimension (WxDxH), mm	530 x 370 x 420	620 x 440 x 490	720 x 530 x 520	740 x 530 x 630	840 x 580 x 730	880 x 630 x 930	780 x 730 x 1780	980 x 800 x 1880	1050 x 880 x 2060
Temperature range, °C	RT + 10 to 250								
Temperature stability, °C	± 1								
Temperature uniformity, °C	± 3% (at 100 °C)								
Ambient temperature, °C	5 to 40								
No. of shelf, pcs	2						3	4	
User interface	LED								
Display resolution, °C	0.1								
Timing range, min	0 to 9999								
Electrical requirement	220V 50 Hz						380V 50Hz		

Drying Oven, Forced Air

Features

- Easy maintenance of 304 stainless steel with mirror polishing
- PID controller with over temperature alarm and timing function ensures precise and reliable control
- Air circulation system with specific air flow channel ensures a good temperature uniformity performance
- A damper adjustment in the front ensures the gas convection enough in working chamber.

Option

- Independent over-temperature alarm system ensures experiments running safely.
- RS 485 connector can connect computer to save the data via software.

Specification

Model	DOF 3016	DOF 3030	DOF 3050	DOF 3080	DOF 30136	DOF 30220	DOF 30420	DOF 30620
Chamber volume, L	16	30	50	80	136	220	420	620
Internal dimension (WxDxH), mm	250 x 260 x 250	340 x 320 x 320	420 x 395 x 350	450 x 400 x 450	550 x 450 x 550	600 x 500 x 750	640 x 585 x 1355	840 x 600 x 1355
External dimension (WxDxH), mm	530 x 370 x 420	620 x 440 x 490	720 x 530 x 520	740 x 530 x 630	840 x 580 x 730	880 x 630 x 930	780 x 730 x 1780	980 x 800 x 1880
Temperature range, °C	RT + 10 to 300							
Temperature stability, °C	± 1							
Temperature uniformity, °C	± 3% (at 100 °C)							
Ambient temperature, °C	5 to 40							
No. of shelf, pcs	2						3	4
User interface	LED							
Display resolution, °C	0.1							
Timing range, min	0 to 9999							
Electrical requirement	220V 50 Hz						380V 50Hz	

Drying Oven, High Temperature

Features

- Easy maintenance of 304 stainless steel with mirror polishing
- PID controller with over temperature alarm and timing function ensures precise and reliable control
- Ceramic fiber door seal, which can run at high temperature for a long time and has a long service life
- Programmable controller to preset boot and shutdown time, adjustable circulating fan
- Independent over-temperature alarm system ensures experiments running safely.

Option

- RS 485 connector can connect computer to save the data via software
- Micro printer for data printing

Specification

Model	DOT4050 DOT5050	DOT40100 DOT50100	DOT40220 DOT50220	DOT40760 DOT50760
Chamber volume, L	50	100	220	760
Internal dimension (WxDxH), mm	350 x 350 x 400	450 x 450 x 450	600 x 600 x 600	980 x 1000 x 780
External dimension (WxDxH), mm	890 x 700 x 920	990 x 790 x 990	1140 x 950 x 1140	1324 x 1263 x 1770
Temperature range, °C	DOT40 series: RT + 20 to 400 DOT50 series: RT + 20 to 500			
Temperature stability, °C	± 0.5			
Ambient temperature, °C	5 to 40			
No. of shelf, pcs	2			
User interface	LCD			
Display resolution, °C	0.1			
Timing range, min	0 to 5999			
Electrical requirement	380V 50Hz			

Refractometer, Portable

Features

- Compact, lightweight design for easy portability
- Automatic temperature compensation (ATC) to prevent inaccurate readings due to temperature
- Stainless steel prism for easy cleaning
- Battery-saving, automatically power mode
- Large digital display for easy viewing
- Single button for calibration and sample reading

DHR series

Specification

Model	DHR-35	DHR-45	DHR-85	DHR-92
%Brix range	0 - 35	0 - 45	0 - 85	58 – 92
Refractive index range	1.3330 – 1.3900	1.3330 – 1.4098	1.3330 – 1.5100	1.4370 – 1.5233
Accuracy	Brix ±0.2%; RI ±0.0003nD		Brix ±0.5%; RI ±0.0005nD	Brix ±0.2%; RI ±0.0003nD
Increments	Brix 0.1%; RI 0.0001nD			
Temperature range, °C	0 – 40			
Temperature resolution, °C	±0.5			
Power Supply	2 x AAA battery			

Refractometer, Benchtop

Features

- Compact, lightweight design for easy portability & benchtop use
- Automatic temperature compensation (ATC) to prevent inaccurate readings due to temperature
- Easily switch between C°/ F° readings
- Stainless steel prism for easy cleaning
- Battery-saving, automatically power mode
- Large digital display with battery level indicator
- Single button for calibration and sample reading
- Low power consumption enables 5000 readings

DPR-95

Specification

Model	DPR-95
%Brix range	0 - 95
Refractive index range	1.3330 – 1.5318
Accuracy	Brix ±0.1%; RI ±0.0002nD
Increments	Brix 0.1%; RI 0.0001nD
Temperature range, °C	0 – 40
Temperature resolution, °C	±0.1
Power Supply	9V alkaline battery

Infrared Sterilizer

Features

- Portable unit with easy cleaning design
- Instant high thermal sterilization within 5 to 7 seconds
- Ceramic heating element with high abrasion and corrosion resistance
- Available as XL with wider chamber for large vessel sterilization
- Can be used in aerobic and anaerobic environment
- Perfect use for inoculating loop, surgical tool, needle, glass tube etc

IRS-825XL

Specification

Model	IRS-825	IRS-825XL
Power, W	150	240
Max temperature, ºC	825 ± 50	
Temperature selection, ºC	Gear I = 400; Gear II = 850	
Chamber diameter, mm	Ø 14	Ø 35
Chamber length, mm	150	100
Heating time, min	10 to 15	

Vacuum Aspirator

VAS-6PRO

Features

- Palm size with 9-speed vacuum regulation control
- Precise speed control for liquid aspiration
- Interchangeable aspiration tip adapters in between single channel and 8-channels for various applications
- Level sensor to prevent liquid overflow during operation
- Fully autoclavable collection bottle, tubing and handle
- Hydrophobic filter to minimize the risk of contamination
- Suitable to be use with conical tube, multi-well plate, flask, disc etc

Specification

Model	VAS-6PRO
Speed control	9 adjustable speeds
Ultimate pressure, MPa	Negative pressure, 0.06MPa
Pumping speed, L/ min	6L/ min
Aspiration speed, L/ min	1.6L/ min
Filter type	1.0μm hydrophobic filter
Collection bottle	1L

Diaphragm Pump, Oil Free

VDP-10NA

Features

- Compact design with non-slip foot pad for stable operation
- Durable motor for long service life in daily operation
- Oil-free dry pump with low maintenance
- Quite operation with overload and over temperature protection
- Suitable for filtration, solid phase extraction, rotary evaporator, etc

Specification

Model	VDP-10NA
Ultimate pressure, MPa	Negative pressure, 0.075MPa
Pumping speed, L/ min	10
Noise level, dB(A)	< 40
Motor power, W	20

pH meter

Features

- Large, backlit display shows pH and temperature readings
- One to three points pH calibration of NIST buffers
- Automatic and manual temperature compensation
- Meter-attached stand facilitates easy electrode movement into and out of samples
- Built-in memory for 50 data storage
- USB is available as communication interface

WAI-PH200

Specification

Model	WAI-PH200
pH range	-2.00 to 18.00
pH accuracy	± 0.01
pH resolution	0.01
pH calibration points	1 – 3 points (NIST buffers)
Temperature range, °C	- 5 to 110
Temperature accuracy, °C	±0.2
Temperature resolution, °C	0.1
Temperature compensation	Automatic, Manual
User interface	6” LCD display
Data points	50
Communication interface	USB

Precision Balance, Compact

PBE-2001

PBE-50001

Features

- Low profile design with low battery indicator
- Super bright LED display with backlight
- Overload protection and bubble level adjustment
- Weighing modes include weighing, parts counting and unit conversion
- Universal power adapter supplied as standard

Specification

Model	PBE-2001	PBE-5001	PBE-10001	PBE-12001	PBE-20001	PBE-30001
Max load capacity, g	200	500	1000	1200	2000	3000
Readability, g	0.1					
Pan size, mm	Ø 115	Ø 128				
Calibration mode	External calibration					

Model	PBE-50001	PBE-100001	PBE-150001	PBE-200001	PBE-300001
Max load capacity, g	5000	10000	15000	20000	30000
Readability, g	0.1				
Pan size, mm	160 x 180			175 x 160	
Calibration mode	External calibration				

Precision Balance, Basic

Features

- Low profile design with low battery indicator
- Super bright LED display with backlight
- Overload protection and bubble level adjustment
- Weighing modes include weighing, parts counting and unit conversion
- Draft shield provides a controlled environment

PBE-5002

Specification

Model	PBE-1002	PBE-2002	PBE-3002	PBE-5002	PBE-6002
Max load capacity, g	100	200	300	500	600
Readability, g	0.01				
Pan size, mm	Ø 115			Ø 128	
Calibration mode	External calibration				

Model	PBE-10002	PBE-20002	PBE-30002
Max load capacity, g	1000	2000	3000
Readability, g	0.01		
Pan size, mm	Ø 128		
Calibration mode	External calibration		

Precision Balance, Standard

Features

- Large draft shield with sliding top and side doors
- Backlit LED display with low battery indicator
- Standard RS232 interface for printer and computer connection, USB as optional
- Overload protection and bubble level adjustment
- Full capacity subtraction with multi weighing unit conversation: g/mg/ct/oz
- Dual display screen is available in selection
- Weighing modes include weighing and parts counting
- Certificated calibration weight supplied as standard

PBE-5003

Specification

Model	PBE-1003 PBE-1003D	PBE-2003 PBE-2003D	PBE-3003 PBE-3003D	PBE-5003 PBE-5003D
Max load capacity, g	100	200	300	500
Minimum weight, g	0.02			
Readability, g	0.001			
Repeatability, g	± 0.002			
Linearity deviation, g	± 0.002			
Stabilization time, s	≤ 3			
Working temp, °C	15 - 35			
Pan size, mm	Ø 90			
Calibration mode	External calibration			
Communication interface	RS232 (standard), USB (optional)			
Display selection	PBE-XXXX (single); PBE-XXXXD (dual)			

Analytical Balance

Features

- Electromagnetic force compensation technology
- Large draft shield with sliding top and side doors
- Super bright LED display with backlight
- Standard RS232 interface for printer and computer connection, USB as optional
- Overload protection and bubble level adjustment
- Below hook measurement is allow for density or specific gravity determination
- Full capacity subtraction with multi weighing unit conversation: g/mg/ct/oz
- External and internal calibration for choice
- Weighing modes include weighing, parts counting and percentage weighing
- Universal power adapter supplied as standard
- Certificated calibration weight supplied as standard

ABN-2204

Specification

Model	ABE-1004 ABN-1004	ABE-1204 ABN-1204	ABE-2004 ABN-2004	ABE-2204 ABN-2204
Max load capacity, g	100	120	200	220
Minimum weight, g	0.01			
Readability, g	0.0001			
Repeatability, g	± 0.0002			
Linearity deviation, g	± 0.0003			
Stabilization time, s	≤ 3			
Working temp, °C	15 - 35			
Pan size, mm	Ø 80 (standard), Ø 90 (optional)			
Calibration mode	Internal calibration (ABN); External calibration (ABE)			
Communication interface	RS232 (standard), USB (optional)			

Moisture Analyzer

Features

- High-performance halogen lamp to facilitate fast and uniform drying process
- Touch screen operation with built-in temperature, time and other parameters suitable for various types of sample testing
- Dual calibration mode: single-point and linear
- One-click preheating operation
- Overload protection and over temperature protection to secure sample safety and unit's operation
- Super bright LED display with backlight.
- Easy to clean heating chambers ideal for day-to-day use and easy maintenance
- Standard RS232 interface for printer and computer connection
- Certificated calibration weight supplied as standard

MAB-1103

Specification

Model	MAB-1102	MAB-1103
Max load capacity, g	110	
Readability, g	0.01	0.001
Weighing sensor	Load cell	
Temperature range, °C	40 – 160	
Heating technology	Halogen	
Temperature sensor	PT-100-2	
Recommended moisture content, %	10 - 90	0 – 100
Moisture readability, %	0.1	0.01
Display	5-inch touch screen	
Data storage	20	
Analysis Curve	Real time dynamic curve	
Pan size, mm	Ø 96	
Communication interface	RS 232 interface	

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