

Model JSDB-01T : Dry Bath Heating Block



Model JSDB-01T Dry Bath Heating Block

MAIN FEATURES

Controller

- Advanced MCU processor applies precise temperature control technology
- Touch-sensitive Multi-Functional Capacitive Button compatible to all kind of latex gloves as well as finger touch.
- Easy-to-use Jog Dial for quick and convenient setting of temperature and timer. Push to Run and Stop control.
- High-fidelity clear back light LCD displays complete setting and operating condition at a glance. Easy to monitoring set values, present temperature and time.

Construction

- Transparent polycarbonate lid
- Durable molded heater
- Rugged ABS plastic body
- High quality PPS insulation

JSDB-Series Dry Bath Block Heater provides precise and constant temperature control source in the laboratory by heating interchangeable modular aluminum block. Ideal for microbiology and clinical laboratories for incubation, enzyme assay, inactivation, boiling, wet washing, extraction, sample concentration and many other applications. The anodized modular aluminum blocks accommodate PCR tubes, eppendorf tubes, microcentrifuge tubes. Interchangeable modular blocks to accommodate a variety of tubes.

Performance

- Temperature setting from ambient +5 °C to 150 °C in 0.1°C display resolution within $\pm 0.1^\circ\text{C}$ accuracy at 37°C
- CA sensor embedded in top plate to measure and control temperature
- Timer setting range from 1 min to 99 hr 59 min

Convenience

- Interchangeable aluminum block
- Aluminum block for 0.2 ml PCR tube to $\varnothing 18$ mm tube
- Transparent polycarbonate lid

Safety

- Over temperature protection
- Over current protection

SPECIFICATIONS

Description	MODEL JSDB-01T
Temperature Control Performance	
Temp. Range	Ambient +5°C to +150°C
Temp. Accuracy	±0.1°C at 37°C ±0.2°C at 90°C ±0.4°C at 135°C
Resolution	0.1°C Display, 0.1°C Control
Heat up speed	Approx 5°C /min

Dimensions

Block (W x D x H)	120 x 92 x 40 / 50 mm
Outer (W x D x H)	170 x 250 x 145 mm

Controller

Type	Digital Fuzzy Control with Capacitive Touch Button and Jog Dial
Timer	99hr 59min by 1 min division
Display	Full Size Digital Back Light LCD Display Independent ON/OFF Switch

Heater

Type	Molded heater
Heater Output	300 Watt

Safety Data

Safety Device	Over Temperature Protection Over Load Protection Over Current Protection
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Material Data

Body	ABS
Block Bath	PPS
Lid	Polycarbonate
Block	Anodized Aluminum

Electrical Data

Rated voltage [V]	230 ± 10% VAC
Power frequency [Hz]	50/60Hz
Nominal power [W]	300
Unit fuse [A]	0
Phase (Nominal voltage)	1~
Plug configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5°C - 40°C, < 80% RH
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Packaging Data

Shipping Dims. (W x D x H mm)	320 x 230 x 260
Type of packaging	Carton
Net Weight (kg)	1.6
Shipping Weight (kg)	2.1

ORDERING INFORMATION

Art. No.	Descriptions	Voltage
JSDB-01T-PK	Dry Bath Heating Block SET	230 VAC 1~ ph 50/60Hz
including	PHB-20 Microtube Block 1.5/2.0ml, , Ø11 x 48 hole (H36mm)	
JSDB-01T	Dry Bath Heating Block MAIN BODY ONLY	230 VAC 1~ ph 50/60Hz

ACCESSORIES

Art. No.	Descriptions	Component
PHB-02	Microtube Block for 0.2ml Tubes, Ø6 x 96 hole (H16mm)	
PHB-05	Microtube Block for 0.5ml Tubes, Ø7.7 x 63 hole (H29.5mm)	
PHB-20	Microtube Block for 1.5/ 2.0ml Tubes, Ø11 x 48 hole (H36mm)	
PHB-15	Conical tube Block for 15ml Tubes, Ø16 x 15 hole (H47mm)	
PHB-50	Conical tube Block for 50ml Tubes, Ø28.7 x 8 hole (H47mm)	
PHB-1248	Standard test tubes Block, Ø12 x 48 hole (H35mm)	
PHB-1330	Standard test tubes Block, Ø13 x 30 hole (H47mm)	
PHB-1530	Standard test tubes Block, Ø15 x 30 hole (H47mm)	
PHB-1624	Standard test tubes Block, Ø16.5 x 24 hole (H47mm)	
PHB-1824	Standard test tubes Block, Ø18 x 24 hole (H47mm)	
PHB-100	Block Extraction Knob	

JS RESEARCH INC.

Gongju-City, Korea

TEL +82 41 856 3677

FAX +82 41 856 3679

info@jsresearch.co.kr

www.jsr.kr