



**DRY BATH  
BLOCK HEATER**

# JSDB-01T

## DRY BATH HEATING BLOCK

amb. ~ 150 °C, +/- 0.1 °C Resolution  
1 min. to 99 hr 59 min Timer

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.



## # Features

### Controller

Advanced microprocessor MCU Digital Fuzzy Controller  
Touch-sensitive Multi-Functional Capacitive Button  
Easy-to-use Jog Dial for quick and convenient setting  
Push to Run and Stop control.  
High-fidelity clear back light LCD display

### Performance

Temperature setting from amb. + 5 °C to 150 °C  
+/- 0.1 °C accuracy  
Precise control by sensor embedded bath  
Timer setting range from 1 min to 99 hr 59 min

### Convenience

Interchangeable aluminum block  
Various kind of optional aluminum blocks  
Transparent polycarbonate block lid

### Construction

Durable molded heater  
Rugged ABS plastic body  
High quality PPS insulation  
Transparent Polycarbonate cover with hinge

### Safety

OVER TEMP. PROTECTION  
OVER CURRENT CUT-OFF : Fuse

## # Specifications

## JSDB-01T

### DRY BATH HEATING BLOCK amb. ~ 150 °C

#### Model

JSDB-01T

#### Performance Data

Temp. Range	ambient +5 °C ~ 150 °C, 0.1 °C Resolution
Temp. Accuracy	+/- 0.1 °C at 37.0 °C +/- 0.2 °C at 90.0 °C +/- 0.4 °C at 135 °C

#### Controller

Type	Digital Fuzzy Control wit Capacitive Touch Button and Jog Dial
Display	Full Size Digital Back Light Graphic LCD Display
Timer	1 min. ~ 99 hr 59 min.
Heat up Speed	Approx. 5 °C / min.

#### Dimensions

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

#### Safety Data

Safety Device	Over-Temp. Cut-Off Audio Visual Alarm Over Current Cut-Off
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#### Material Data

Body	ABS
Bath	PPS
Block	Anodized Aluminum

#### Electrical Data

Power Requirement	230 +/- 10% VAC 50/60 Hz
Nominal Power	300 Watt 1.3 amp.
Phase	1 Phase
Plug Configuration	CEE 7/7 Schuko or BS 1363

#### Usable Condition

Temp. & Humidity	5 °C - 40 °C, 80% RH Max.
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# JSR

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## # Ordering Information

## JSDB-01T

### DRY BATH HEATING BLOCK amb. ~ 150 °C

#### Art. Number

JSDB-01T-PK

#### Descriptions

Dry Bath Heating Block 230 VAC 50/60 Hz  
including PHB-20 Microtube Block 1.2/2.0ml x 48 holes

JSDB-01T

Dry Bath Heating Block Main Unit Only 230 VAC 50/60 Hz



#### Optional Accessories

#### Aluminum Blocks

PHB-02

Microtube Block for 0.2ml Tubes, Dia.6 x 96 holes (H16mm)

PHB-05

Microtube Block for 0.5ml Tubes, Dia.7.7 x 63 holes (H29.5mm)

PHB-20

Microtube Block for 1.5/2.0ml Tubes, Dia.11 x 48 holes (H36mm)

PHB-15

Conical Tube Block for 15ml Tubes, Dia.16 x 15 holes (H47mm)

PHB-50

Conical Tube Block for 50ml Tubes, Dia.28.7 x 8 holes (H47mm)

PHB-1248

Standard Test Tube Block, Dia.12 x 48 holes (H35mm)

PHB-1330

Standard Test Tube Block, Dia.13 x 30 holes (H47mm)

PHB-1530

Standard Test Tube Block, Dia.15 x 30 holes (H47mm)

PHB-1624

Standard Test Tube Block, Dia.16.5 x 24 holes (H47mm)

PHB-1824

Standard Test Tube Block, Dia.18 x 24 holes (H47mm)

PHB-100

Block Extraction Knob

DISTRIBUTOR

# JSR

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