Model JSBL-04T : Dry Block Heater

JSBL-Series Dry 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.

JSBL-01T, 02T, 04T holds 1, 2 and 4 interchangeable modular blocks to accommodate a variety of vessels respectively.

MAIN FEATURES

PERFORMANCE

-Heater under the bottom transduce heat through aluminum block and to maintain uniform temperature

-Class A Pt-100 Ω sensor embedded into the modular block to measure accurate temperature of the aluminum block

-Maintain block temperature from ambient + 5 ^{o}C to 180 ^{o}C

-Excellent control accuracy within ± 0.5 ^{o}C and thermal uniformity within ± 3.0 ^{o}C

CONTROLLER

-JSC-0D Digital PID Controller

   -±0.1 ^{o}C Digital PID Controller with LED Display with automatic START/ STOP timer

-Adjustable timer scale 99min 59sec / 99hr 59min / 99day 23hr or continuous operation

-Temperature calibration

-Auto-tuning function

-Class A Pt-100Ω sensor

CONSTRUCTION

-Durable epoxy powder coated metallic casing

-Corrosion resistant Stainless Steel 304 bath

-Anodized Modular Aluminum Block

JS RESEARCH INC.   Technical Data

Technical specifications are subject to change without prior notice

CONVENIENCE

-Corrosion resistant Stainless Steel 304 (ASTM 304) solid bath interior

-Wide range of interchangeable modular blocks as accessories for all applications

-Block extraction tool is supplied with allowing blocks to be removed easily

-Aluminum block with additional thermometer hole to measure and compare actual temperature of block

SAFETY

OVER TEMP. CUT-OFF

Digital system cut-off heater and AUDIO VISUAL ALARM in case +2 $^{\circ}$C above set temperature

MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when +1 $^{\circ}$C above maximum limit

SENSOR DISCONNECTION ALARM

OVER CURRENT CUT-OFF

SPECIFICATIONS

DESCRIPTIONS	MODEL JSBL-02T
Dimension Data	
Block Capacity	4 blocks
Inner Dims. (W x D x H mm)	130 x 180 x 50mm
Block Dims (W x D x H mm)	90 x 65 x 50 mm
Outer Dims. (W x D x H mm)	220 x 360 x 110 mm
Performance Data	
Temp. Range	Amb. +5 $^{\circ}$C ~ +180 $^{\circ}$C, 0.1 $^{\circ}$C resolution
Accuracy	±0.5 $^{\circ}$C at 60 $^{\circ}$C
Uniformity	±3.0 $^{\circ}$C at 60°C
Heat up time to 60 $^{\circ}$C	8 min
Controller	
Processor	Digital Microprocessor PID Temperature Controller
Display	4 digit LED Display
Resolution	0.1 $^{\circ}$C
Timer Scale	99min 59sec / 99hr 59min / 99day 23hr
Sensor	CLASS A PT-100 Ω Sensor
Safety Data	
Safety Device	DUAL OVER TEMP. CUT-OFF
	SENSOR DISCONNECTION ALARM
	OVER CURRENT CUT-OFF Fuse

Material Data

Body	Durable epoxy powder coated metallic casing
Chamber	Corrosion resistant Stainless Steel 304 bath
Block	Anodized Modular Aluminum Block

Electrical Data

Rated voltage	220 ± 10% VAC
Power frequency	50 / 60Hz
Heater Output	400 Watt
Nominal power	1.8 amp
Phase	1 Phase
Plug configuration	CEE 7/7 Schuko

Usable Condition

Temp. & Humidity	5°C - 40°C, < 80% RH

Packaging Data

Shipping Dims. (W x D x H mm)	420 x 340 x 280 mm
Type of packaging	Carton
Net Weight	6.0 kg
Shipping Weight	7.0 kg

ORDERING INFORMATION

Art. No.	Descriptions	Voltage
JSBL-01T	**Dry Block Heater, 1 Block**	220 (±10%) VAC 50/60Hz
	including standard accessories	
	1 ea x Instruction Manual	
	1 ea x Warranty Certificate	

OPTIONAL ACCESSORIES

Art. No.	Descriptions
PHA-02B	48 Holes x 0.2ml PCR Tubes or Strip
PHA-05B	24 Holes x 0.5ml PCR Tubes or Strip
PHA-15B	20 Holes x 1.5ml Tubes
PHA-16B	12 Holes x Ø16mm Tubes
PHA-24B	6 Holes x Ø24mm Tubes

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Warranty

1 Year full coverage warranty

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