

Digital Block Heater

The single and dual block Digital Block Heaters provide users with digital performance and convenience at an analog price.

A broad temperature range, up to 150°C, and excellent uniformity make these dry baths useful for a variety of applications in molecular biology, histology, clinical, environmental and industrial settings. A high wattage heater provides rapid heating and is precisely and accurately controlled by a microprocessor. The stainless steel block chamber ensures and even transfer of heat from the heating element to the block. Temperature is easily set using the arrow keys while the value is shown on the large digital display. The Digital Block Heater is easily calibrated by users to in-house standards when required.

Single or dual block models are available. A variety of interchangeable blocks, shown on the facing page, accommodate a wide variety to tubes, plates and slides. Solid blocks are available for custom machining.

Each Digital Block Heater is supplied with a block lifter to enable the user to easily change blocks, even when they are hot.



Specifications

Temperature range	Ambient +5° to 150°C, in 0.1° increments
Temperature resolution	0.1°C
Temperature uniformity	±0.2°C
Temperature accuracy	±0.3°C
Temperature control	Microprocessor
Block chamber construction	Stainless Steel
Dimensions, W x D x H	20 x 26.5 x 8.3 cm / 7.9 x 10.4 x 3.3 in.
Weight	2.2 kg / 4.8 lb
Electrical	120V or 230V, 50/50 Hz

Ordering Information

SBD110	Digital Block Heater, single block capacity, 120V
SBD110-2	Digital Block Heater, single block capacity, 230V, EU power cord
SBD110-3	Digital Block Heater, single block capacity, 230V, UK power cord
SBD120	Digital Block Heater, dual block capacity, 120V
SBD120-2	Digital Block Heater, dual block capacity, 230V, EU power cord
SBD120-3	Digital Block Heater, dual block capacity, 230V, UK power cord

Blocks for Digital Block Heater

Blocks are available in a variety of formats for use with the Digital Block Heater on the previous page.

All blocks are made of high grade, non-porous aluminum and precision machined for a close fit with sample containers - important for fast and efficient heat transfer. Anodizing adds corrosion resistance.

Most blocks, except those designed for use with plates and slides, include a position for a thermometer and a hole for use with the block lifter tool (supplied with the bath). The unique PopStopper accessory, sold separately, fits on the microtube blocks to keep tube lids from popping open during heating.

A rack is also available to accompany the D1105A block. It can be used to quickly transfer samples into and out of the block and is self standing. Insulated handles protect users fingers. The rack can be used at temperatures up to 150°C and is autoclavable.



Specifications

Construction	Anodized, high grade, non-porous aluminum
Thermometer well	Available in all blocks except those used with plates and slides
Compatibility	Will work in any manufacturer's dry bath with an opening of 3.05 x 3.60 inches. Block D11960-PCR requires a depth of 2.125 inches or less.

Ordering Information

D1101	Solid block for machining (no holes)
D1102	Block, 48 x 0.2 ml PCR tubes or 6 x 0.2 ml strips
D1102A	Block, 20 x 2.0 ml tubes
D1105	Block, 24 x 0.5 ml tubes
D1105A	Block, 24 x 1.5 ml tubes
D1106	Block, 35 x 6 mm tubes
D1110	Block, 20 x 10 mm tubes
D1112	Block, 20 x 12 mm tubes
D1113	Block, 20 x 13 mm tubes
D1115-TALL	Block, 12 x 15 ml centrifuge tubes
D1116	Block, 12 x 15 or 16 mm tubes
D1117	Block, 12 x 17 mm tubes
D1120	Block, 6 x 20 mm tubes
D1125	Block, 6 x 25 mm tubes
D1150-TALL	Block, 5 x 50 ml centrifuge tubes
D1196-PCR	Single Block, 96 well PCR plate, skirted or nonskirted (for single block unit only)
D1296	Dual Block, 96 well microtiter plate or 4 slides (for dual block unit only)
D1296-PCR	Dual Block, 96 well PCR plate, skirted or nonskirted (for dual block unit only)
D12384	Dual Block, 384 well plate, (for dual block unit only)
D1100-PS	PopStopper for microtube blocks, D1102, D1102A, D1105, D1105A
D1105A-RACK	Rack accessory for 20 x 1.5 ml tubes, compatible with D1105A, pack of 3