

TECHNICAL DATA SHEET

Doc No – Ab/TDS/Eqpt-230
Rev No: 07 Date- 05/2024-25

Abdos Labtech Pvt. Ltd.
HOTBLOCK- LED Digital Dry Bath

Valid for Catalog No. E11330, E11360, E11370, E11380, E11390

SRN (Single Registration Number): IN-MF-000022272

1. Description/Specification

1.1 Description: HOTBLOCK- LED Digital Dry Bath.

1.1.1 ABDOS-LED Digital Dry Bath Heaters are available in single and dual block configurations and provide a broad temperature range up to 150°C, which makes them useful for a variety of applications in molecular biology, histology, clinical, environmental, and industrial laboratories.

1.1.2 They have been designed to incorporate the best combination of features including block capacity, dual displays, and an external temperature probe that gives life science researchers the confidence and efficiency they need when working with precious lab samples.

1.1.3 This is ideal for including melting and boiling point determination, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture and media tests, coagulation, tests, blood urea nitrogen determinations and in-situ hybridizations.

1.1.4 The blocks are precision machined to match the conical size and shape of 0.5, 1.5, 2.0, 15 and 50ml tube sizes, providing unsurpassed temperature transfer. Assorted blocks are available for compatibility with nearly all common laboratory tubes and plates.

1.1.5 Various optional blocks are available for best performance.

1.1.6 Protection class according to DIN EN 60529.

Code	Block Capacity	Product	Temperature Range
E11330	Single	LED Digital Dry Bath with one Heating Block	Ambient +5°C -120 °C
E11360	Single	LED Digital Dry Bath with one Heating Block	Ambient +5°C -105°C

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E11370	Dual	LED Digital Dry Bath with two Heating Block	Ambient +5°C -105°C
E11380	Single	LED Digital Dry Bath with one Heating Block	Ambient +5°C -105°C
E11390	Dual	LED Digital Dry Bath with two Heating Block	Ambient +5°C -105°C

1.2 Design: LED Digital Dry Bath with transparent lid.

1.3 Performance Specifications:

Specification	E11330	E11360	E11370
Voltage	220-240V	220-240V	220-240V
Frequency	50-60Hz	50-60Hz	50-60Hz
Adaptor block material	Aluminium	Aluminium	Aluminium
Maximum heating rate	5.5°C/min	5.5°C/min	5.5°C/min
Heating temperature Range	Room Temperature +5-120°C	Room Temperature +5-105°C	Room Temperature +5-105°C
Temperature Setting Range	25-120	25-105	25-105
Temperature Control accuracy	±0.5°C	25-90 : ±0.3 90-105 : ±0.6	25-90 : ±0.3 90-105 : ±0.6

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Temperature Uniformity @ 37°C	±0.5	±0.2	±0.2
Sound Alarming Function	-	Yes	Yes
Timer	Yes	Yes	Yes
Time setting range	1 Min - 99Hr 59Min	0 Min - 99Hr 59Min	0 Min - 99Hr 59Min
Operation type	Continuous/timed	Continuous/timed	Continuous/timed
External Sensor	-	Yes	Yes
USB Interface	-	Yes	Yes
Dimension (W x D x H)	175 x 220 x 85mm	290 x 210 x 120mm	290 x 210 x 120mm
Permissible ambient temperature	5-40°C	5-40°C	5-40°C
Permissible humidity	80%	80%	80%
Protection Class	IP21	IP21	IP21

Specification	E11380	E11390
Voltage	220-240V	220-240V
Frequency	50-60Hz	50-60Hz
Adaptor block material	Aluminium	Aluminium
Maximum heating rate	5.5°C/min	5.5°C/min

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Heating temperature Range	Room Temperature +5-150°C	Room Temperature +5-150°C
Temperature Setting Range	25-150	25-150
Temperature Control accuracy	25-90 : ±0.3 90-150: ±0.6	25-90 : ±0.3 90-150: ±0.6
Temperature Uniformity @ 37°C	±0.5	±0.2
Sound Alarming Function	Yes	Yes
Timer	Yes	Yes
Time setting range	1 Min - 99Hr 59Min	0 Min - 99Hr 59Min
Operation type	Continuous/timed	Continuous/timed
External Sensor	Yes	Yes
USB Interface	Yes	Yes
Dimension (W x D x H)	290 x 210 x 120mm	290 x 210 x 120mm
Permissible ambient temperature	5-40°C	5-40°C
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Spare Accessories for E11330

Code	Product	Places
E11331	Heating Block for 0.2 ml	54
E11332	Heating Block for 0.5 ml	40
E11333	Heating Block for 1.5 ml	40
E11334	Heating Block for 5/15 ml	28
E11335	Heating Block for 50 ml	8
E11336	Heating Block for 0.2,0.5,1.5/2.0 ml	18
E11337	Heating Block, used for 96/384 micro plate	96 /384 Microplate
E11338	Heating Block, used for 2.0 ml	40
E11339	Heating Block, used for 2.0 ml (Thin)	40
E11368	Heating Block, used for 1.5 ml (Thin)	40

Spare Accessories for E11360, E11370, E11380, E11390

Code	Product	Places
E11361	Heating Block for 0.2 ml	30
E11362	Heating Block for 0.5 ml	20
E11363	Heating Block for 1.5 ml	20
E11364	Heating Block for 2 ml	20
E11365	Heating Block for 5 ml	12

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E11366	Heating Block for 15 ml	12
E11367	Heating Block for 50ml	4

1.4 Material: Body – ABS Material & Metal

1.5 Color: Grey

1.6. Basic features:

1.6.1 Material: Made up of highly pure Virgin ABS (Acrylonitrile Butadiene Styrene)

1.6.2 CE certified

1.6.3 Chemical resistance: see website (www.abdoslivesciences.com)

1.7 Intended use: Widely used in scientific studies of molecular biology, clinical chemistry, biochemistry and any type of scientific laboratory.

Warranty: 12 months from the date of Installation or 15 months from the date of Invoicing

Instruction for Use

Storage temp. Max 30°C

Before using the product check crackness, pouch punctured etc.

Check all the information printed on pouches or boxes.

WARNING

DO NOT store strong oxidizing agents.

DO NOT place any plastic labware in a flame.

DO NOT mix any chemicals that may result in a thermic reaction, which can cause product failure

Consult local fire codes prior to storage of flammable liquids.

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E11331



E11333



E11335



E11336



E11361



E11364



E11365



E11367