Thermo Scientific
Dry Baths / Block Heaters

reproducible results
you can trust

Thermo
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Thermo Scientific Dry Baths / Block Heaters

Reliability you can depend on. Thermo Scientific™ versatile dry baths / block heaters offer a wide range of blocks to accommodate various tubes. Available with digital or touch screen controls, **our units provide outstanding temperature uniformity and stability** that help create the reproducible results that you need.

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Thermo Scientific Digital Dry Bath / Block Heater

Increase lab versatility with the Thermo Scientific digital dry baths / block heaters, which offer a range of configurations with interchangeable modular blocks for a variety application needs.

Range of configuration to hold 1, 2 and 4 interchangeable modular blocks to accommodate a variety of vessels and applications

FEATURES

- Digital controls and display of time and temperature
- Built-in temperature sensing probe for outstanding temperature accuracy and control
- Precise temperature control with PID circuit
- Temperature calibration enables to offset the temperature to desired value
- Timer allows the user to accurately monitor the heating time
- Interchangeable aluminum alloy sample blocks provide versatility and allow for easy cleaning and disinfecting
- Powder-coated steel body construction ensures durability

APPLICATIONS

Sample preparation
Enzyme preservation
Enzyme-substrate reactions
DNA amplification
Electrophoresis gel degeneration
Serum coagulation

Thermo Scientific Digital Dry Baths / Block Heaters Ordering Information and Specifications*

Cat No.	88870001	88870004	88870002	88870005	88870003	88870006
Voltage/Hz	100-120V 50/60Hz	200-240V 50/60Hz	100-120V 50/60Hz	200-240V 50/60Hz	100-120V 50/60Hz	200-240V 50/60Hz
Plugs						
Block Capacity	1		2		4	
Controller Type	PID digital					
Temperature Range	Ambient + 5°C – 130°C (Ambient at 25°C)					
Temperature Control Accuracy at 37°C	≤ ± 0.5°C					
Temperature Uniformity at 37°C	≤ ± 1°C					
Timer Range	0-99:59 min or continuous					
Heating Up Time	≤ 20 min 30°C to 130°C				≤ 25 min 30°C to 130°C	
Relative Humidity Tolerance	≤ 80%					
Dimensions L x W x H	288 × 200 × 100 mm 11.3 x 7.9 x 3.9 in		318 × 200 × 100 mm 12.5 x 7.9 x 3.9 in		450 × 200 × 100 mm 17.7 x 7.9 x 3.9 in	
Weight	2.9 kg 6.39 lbs.		3.3 kg 7.28 lbs.		4.7 kg 10.36 lbs.	
Fuse Protector ø5×20	250V 2.5A		250V 5A	250V 2.5A	250V 8A	250V 3.15A
Shipment Includes:	Dry bath, US style plug, block lifter	Dry bath, CN, EU & UK plugs, block lifter	Dry bath, US style plug, block lifter	Dry bath, CN, EU & UK plugs, block lifter	Dry bath, US style plug, block lifter	Dry bath, CN, EU & UK plugs, block lifter
Required Accessories	1 block		2 blocks		4 blocks	
Certification	CE cULus RoHS					
Warranty	2 years					

***UNIT MUST BE ORDERED WITH A BLOCK** — see page 7 for ordering information

Thermo Scientific Touch Screen Dry Bath / Block Heater

Designed to achieve precise temperature stability and uniformity with an easy-to-use touch screen.

FEATURES

- Built-in temperature sensing probe designed for outstanding temperature accuracy and control
- Temperature deviation adjustment
- Precise temperature control with PID circuit
- Temperature calibration enables to offset the temperature to desired value
- Timer enables the user to accurately monitor the heating time
- Interchangeable aluminum alloy sample blocks designed to provide versatility, easy cleaning and disinfecting
- Range of configuration to hold 1, 2 and 4 interchangeable modular blocks to accommodate a variety of vessels and applications
- Powder-coated steel body construction ensures durability
- When the external temperature sensor is connected, the internal temperature sensor will disconnect automatically, allowing the temperature control and display to rely on the external temperature sensor

Easy-to-use touch screen control displays time and temperature

10 user setting programs, each supports up to 5 sequential steps of different temperatures and duration times

Built in over-temperature protection device is designed to provide reliable operation

APPLICATIONS

Sample preparation
Enzyme preservation
Enzyme-substrate reactions
DNA amplification
Electrophoresis gel degeneration
Serum coagulation

Thermo Scientific Touch Screen Dry Baths / Block Heaters

Ordering Information and Specifications*

Optional PT 1000 temperature probe

Cat No.	88870007	88870010	88870008	88870011	88870009	88870012
Voltage/Hz	100-120V 50/60Hz	200-240V 50/60Hz	100-120V 50/60Hz	200-240V 50/60Hz	100-120V 50/60Hz	200-240V 50/60Hz
Plugs						
Block Capacity	1		2		4	
Controller Type	PID Digital					
Temperature Range	Ambient + 5°C – 130°C (Ambient at 25°C)					
Temperature Control Accuracy at 37°C	≤ ± 0.5°C					
Temperature Uniformity at 37°C	≤ ± 1°C					
Timer Range	0-99:59 min or continuous					
Heating Up Time	≤ 20 min 30°C to 130°C				≤ 25 min 30°C to 130°C	
Relative Humidity Tolerance	≤ 80%					
Dimensions L x W x H	373 × 200 × 100 mm 14.7 x 7.9 x 3.9 in		403 × 200 × 100 mm 15.9 x 7.9 x 3.9 in		535 × 200 × 100 mm 21.1 x 7.9 x 3.9 in	
Weight	3.4 kg 7.5 lbs.		3.7 kg 8.16 lbs.		5.1 kg 11.24 lbs.	
Fuse Protector ø5×20	250V 2.5A		250V 5A	250V 2.5A	250V 8A	250V 3.15A
Shipment Includes:	Dry bath, US style plug, block lifter	Dry bath, CN, EU & UK plugs, block lifter	Dry bath, US style plug, block lifter	Dry bath, CN, EU & UK plugs, block lifter	Dry bath, US style plug, block lifter	Dry bath, CN, EU & UK plugs, block lifter
Required Accessories	1 block		2 blocks		4 blocks	
Certification	CE cULus RoHS					
Warranty	2 years					

***UNIT MUST BE ORDERED WITH A BLOCK** — see page 7 for ordering information

Thermo Scientific Compact Dry Bath / Block Heater

Maximize valuable bench space with our compact, light weight dry bath / block heater, available with multiple combinations of block sizes for tube size versatility.

Digital temperature controls and display

Small footprint and lightweight

FEATURES

- Built-in temperature-sensing probe assists with outstanding temperature accuracy and control
- Designed for precise temperature control
- Fast heating rate
- Multiple combination of different size of blocks allows for maximum tube size versatility during experimental procedure
- 12V low voltage power input

APPLICATIONS

Sample preparation
Enzyme preservation
Enzyme-substrate reactions
DNA amplification

Thermo Scientific Compact Dry Bath / Block Heater

Ordering Information and Specifications*

Cat No.	88871001	88871003	88871002	88871004
Plugs				
Name	Compact Dry Bath S		Compact Dry Bath D	
Voltage	100 - 240V			
Temperature Range	Ambient + 2°C – 100°C (Ambient at 25°C)			
Temperature Control Accuracy at 37°C	≤ ± 0.5°C			
Temperature Uniformity at 37°C	≤ ± 0.5°C			
Average Heating Rate (30°C to 100°C, Ambient at 25°C, with one 0.2 ml block)	16 minutes		20 minutes	
Dimensions L x W x H	185 x 185 x 25 mm 7.3 x 7.3 x 1 in		200 x 200 x 25 mm 7.9 x 7.9 x 1 in	
Weight	<1 kg 2.2 lbs. (without blocks)		<1.5 kg 3.3 lbs. (without blocks)	
Power	12V DC, 5A		12V DC, 7A	
Shipment Includes:	Dry bath, US style plug, block lifter, plastic lid	Dry bath, CH, EU & UK style plugs, block lifter, plastic lid	Dry bath, US style plug, block lifter, plastic lid	Dry bath, CH, EU & UK style plugs, block lifter, plastic lid
Required Accessories	Full, half or quarter blocks (see page 7)			
Certification	CE cTUVus RoHs			
Warranty	2 years			

***UNIT MUST BE ORDERED WITH A TUBE BLOCK** — see page 7 for ordering information

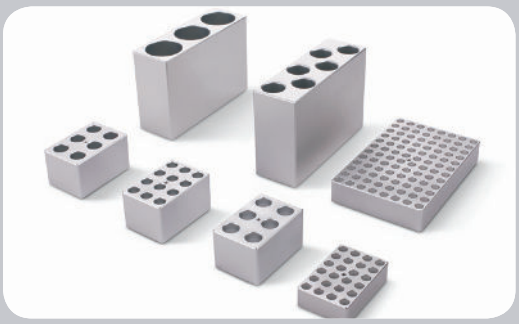
ACCESSORIES Thermo Scientific Digital and Touch Screen Dry Baths / Block Heaters

	Cat. No.	Description	Max Tubes	Block Dimensions WxDxH (mm / in)
	88870101	46 x ø6 mm block	46	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870102	28 x ø10 mm block	28	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870103	28 x 1.5 ml block	28	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870104	28 x 2.0 ml block	28	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870105	24 x ø13 mm block	24	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870106	15 x ø16 mm block	15	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870107	12 x ø18 mm block	12	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870108	8 x ø20 mm block	8	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870109	6 x ø25 mm block	6	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870110	40 x 0.5 ml block	40	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870111	1 x 96-well Elisa block	96	124 x 76 x 39 / 4.9 x 3.0 x 1.5

	Cat. No.	Description	Max Tubes	Block Dimensions WxDxH (mm / in)
	88870112	Mixed block 32 x ø6 mm + 21 x ø10 mm	32 + 21	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870113	Mixed block 18 x 1.5 ml + 10 x 2.0 ml	18 + 10	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870114	Mixed block 3 x ø25 mm+ 12 x ø12~13 mm+ 6 x ø6 mm	3 + 12 + 6	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870115	Mixed block 30 x 0.5 ml + 20 x 0.2 ml	30 + 20	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870116	Flat bottom, 15 x 15 ml block	15	124 x 76 x 113 / 4.9 x 3.0 x 4.55
	88870117	Flat bottom, 4 x 50 ml block	4	124 x 76 x 113 / 4.9 x 3.0 x 4.55
	88870118	Conical bottom, 15 x 15 ml block	15	124 x 76 x 113 / 4.9 x 3.0 x 4.55
	88870119	Conical bottom, 4 x 50 ml block	4	124 x 76 x 113 / 4.9 x 3.0 x 4.55
	88870120	1 x 96-well 0.2 ml non-skirted PCR plate block	96	124 x 76 x 39 / 4.9 x 3.0 x 1.5
	88870121	1 x 96-well 0.2 ml, half or full skirted PCR plate block	96	124 x 76 x 55 / 4.9 x 3.0 x 2.17
	88870122	Temperature probe, PT1000, stainless steel	N/A	N/A

ACCESSORIES

Thermo Scientific Compact Dry Bath / Block Heater



Cat. No.	Description	Max Tubes	Dimensions WxDxH (mm / in)
88871101	0.2 ml 1/4 block	24	54 x 36 x 15 / 2.1 x 1.4 x 0.6
88871102	0.5 ml 1/4 block	12	54 x 36 x 30 / 2.1 x 1.4 x 1.2
88871103	1.5 ml 1/4 block	6	54 x 36 x 30 / 2.1 x 1.4 x 1.2
88871104	2.0 ml 1/4 block	6	54 x 36 x 30 / 2.1 x 1.4 x 1.2
88871105	15 ml 1/2 block	6	108 x 36 x 72 / 4.3 x 1.4 x 2.8
88871106	50 ml 1/2 block	3	108 x 36 x 72 / 4.3 x 1.4 x 2.8
88871107	96-well/flat bottom full block	96	108 x 72 x 18 / 4.3 x 2.8 x 0.7
88871108	Heat insulator for Compact S	N/A	143 x 107 x 80 / 5.6 x 4.2 x 3.2
88871109	Heat insulator for Compact D	N/A	179 x 143 x 80 / 7.0 x 5.6 x 3.2
88871110	Plastic lid for Compact S	N/A	122 x 86 x 40 / 4.8 x 3.4 x 1.6
88871111	Plastic lid for Compact D	N/A	158 x 122 x 30 / 6.2 x 4.8 x 1.2

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