Benchmark Scientific

MULTI-THERM™
Cool – Heat – Shake

- **Temperature control from 0° to 100°C**
- **Exchangeable blocks, for tube sizes 0.2 to 50ml**
- **Precision contoured wells, for uniform thermal transfer**
- **Two models: heat/cool or heat only**

CE

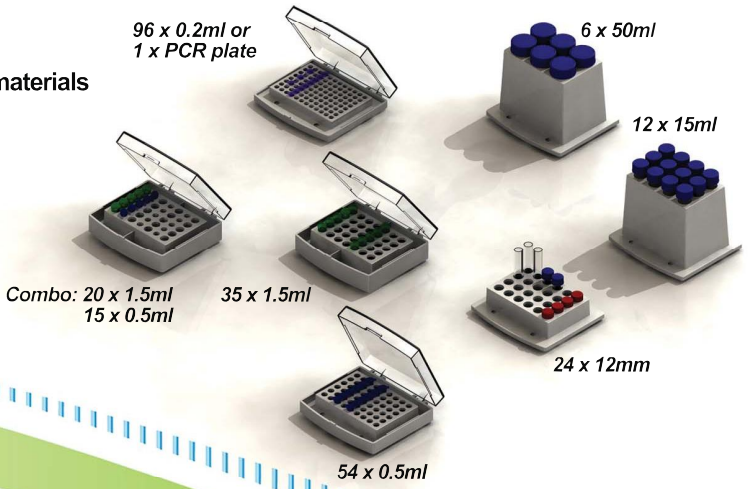
Technical Data:

Temp. Range (HC):	Ambient -20° to 100°C
Temp. Range (H):	Ambient +5° to 100°C
Heating Ramp Rate:	5.0°C / min.
Cooling Ramp Rate:	2.5°C / min. (HC only)
Temp. Accuracy:	+/-1.0°C
Speed Range:	200 to 1500 rpm, or "off"
Motion / Orbit:	Horizontally circular / 2mm
Capacity:	Per selected block
Dimensions:	8.25 x 11.5 x 8.25 in. 21 x 29 x 21 cm
Weight:	18lb. / 8kg
Electrical:	120V, 60Hz or 230V, 50-60Hz

The **MultiTherm** shaker is a temperature controlled vortexer, useful for a variety of molecular biology applications including:

- Denaturation of DNA, RNA and proteins
- Lipid extractions
- Yeast and bacteria cultivation
- Restriction digests
- Reverse transcription
- DNA/plasmid isolation
- Gentle thawing of biological materials

Despite its modest 8 x 11 in. footprint, all popular tubes and plates are compatible, including as many as six 50ml tubes. Speed, time and temperature settings are continuously visible on the LCD, simultaneously showing both actual and selected values. Integral over-temperature control ensures long life, safety and sample integrity.



Ordering Information:

H5000-HC	MultiTherm Shaker with heating and cooling, 115V
H5000-H	MultiTherm Shaker with heating only, 115V

To order in 230V, please add (-E) to the end of the item number.

Please order blocks separately:

H5000-02	Block, 96 x 0.2ml or one PCR plate
H5000-05	Block, 54 x 0.5ml
H5000-CMB	Block, combination 15 x 0.5ml and 20 x 1.5ml
H5000-15	Block, 35 x 1.5ml
H5000-20	Block, 35 x 2.0ml
H5000-12*	Block, 24 x 12mm (200 to 1200rpm / Ambient -10° to 100°C)
H5000-150*	Block, 12 x 15ml (200 to 750rpm / Ambient -10° to 100°C)
H5000-500*	Block, 6 x 50ml (200 to 750rpm / Ambient -10° to 100°C)

* Note: The larger mass of this block results in a reduced speed and temperature range.

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