

Benchmark 

MULTI-THERM™ Touch

COOL - HEAT - SHAKE



Optional heated lid prevents condensation and evaporation

- **Large touch screen for easy programming and viewing of status**
- **Multiple block options for plates and tubes up to 50ml**
- **Broad temperature and speed range to meet a variety of applications**
- **Advanced programming features:**
 - Adjustable ramp rates
 - Preheat function
 - Clockwise/counterclockwise mixing



MULTI-THERM™ Touch

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Like the popular MultiTherm, the MultiTherm Touch features a broad temperature range to meet applications from denaturation of DNA to keeping samples cold (4°C) at the end of a protocol. A full color touch screen, expanded speed range (up to 3,000rpm), greater programming flexibility and a heated lid option are just a few of the upgraded features available with the MultiTherm Touch.

All operating parameters are easily entered and viewed on the large, full color, touch screen. Fifty programs can be stored, each including up to 5 steps. Programming features such as adjustable ramp rates, interval and directional mixing and preheat options can be set. A "short" button allows for immediate mixing at maximum speed.

Fifteen block choices accommodate samples from 0.2ml to 50ml as well as a variety of plates. Blocks are quickly and easily interchanged without the use of tools and are automatically recognized by the software. Insulation protects the users from hot surfaces and helps to maintain block temperature.

Condensation can have negative effects on delicate samples and reactions by changing the concentration of reactants. The heated lid option, available for use with tubes up to 5ml and microplates, protects samples by warming the air in the tube and preventing condensation.

Easy to use and reliable in operation, the MultiTherm Touch is covered by a 2 year warranty. Blocks and heated lid are sold separately.



Complete touch screen control



15 block options for tubes from 0.2ml to 50ml, PCR plates, microplates and deep well plates

Technical Data

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|------------------------|---|
| Display/control | 4.3 inch color touch screen with graphical interface |
| Speed range | 200 - 3,000rpm (block dependent) |
| Shaker orbit | 3 mm |
| Temperature range | Ambient -20° to 105°C |
| Temperature uniformity | ±0.5°C |
| Timer | 1s- 99h:59m:59s or continuous |
| Program memory | 50 programs |
| Steps/program | 5 steps/program |
| Programming features | Adjustable ramp rate, mix mode, mix start, power failure restart, and heated lid temp |
| Additional features | Quick button, pause, import/export data and programs, automatic block recognition |
| Dimensions (W x D x H) | 6.3x12.6x8.7 in./16x32x22cm |
| Weight | 22 lbs/10kg |
| Electrical | 100-240V, 50-60Hz |
| Warranty | 2 years |

Ordering Information

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|---|--|
| H5100-HCT* | MultiTherm Touch, Heating/Cooling Vortexer, blocks sold separately |
| H5100-HL | Heated lid for above |
| Available Blocks (max speed) | |
| H5100-05 ^{†‡} | 24 x 0.5ml (2,000rpm) |
| H5100-15 ^{†‡} | 35 x 1.5ml (2,000rpm) |
| H5100-20 ^{†‡} | 35 x 2ml (2,000rpm) |
| H5100-CMB ^{†‡} | 15 x 0.5 and 20 x 1.5ml (2,000rpm) |
| H5100-5MT [†] | 8 x 5ml (1,000rpm) |
| H5100-12 | 24 x 12mm dia (2,000rpm) |
| H5100-2CR | 24 x 1.5/2ml cryovials (2,000rpm) |
| H5100-150 | 8 x 15ml (1,000rpm) |
| H5100-500 | 4 x 50ml (1,000rpm) |
| H5100-MP ^{†‡} | Standard microplate (3,000rpm) |
| H5100-2DWMP | 2ml deep well plate (1,000rpm) |
| H5100-02 ^{†‡} | PCR plate/96 x 0.2ml (2,000rpm) |
| H5100-384 ^{†‡} | 384 well plate (3,000rpm) |
| H5100-5DWMP ^{†‡} | 0.5ml deep well plate (1,600rpm) |
| H5100-1DWMP ^{†‡} | 1ml deep well plate (1,600rpm) |
| *115V with US plug. For EU plug, please add -E to cat no. | |
| †Compatible with heated lid ‡Supplied with standard lid | |
| Maximum speed reduced when using standard or heated lid | |