



Incubating Cooling Thermal Shakers



Industry Leading Thermal Shaker with Exceptional Heating/Cooling Performance with High Speed Shaking

OHAUS Thermal Shakers are designed for heating and cooling applications that require consistent and precise high-speed shaking with dependable temperature control from 17°C below ambient to 100°C. Temperature can be user-calibrated when precision is required. Customize applications with interchangeable blocks to accommodate tubes & microplates. Intuitive touchscreen allows the user to view all steps of the program while monitoring the progress.

Standard Features:

- Best in class temperature performance. Enhanced electronics and software allow for fast and accurate temperature control you can trust. Cooling models reach temperatures down to 17°C below ambient.
- Intuitive touchscreen for simple operation and programming. Set the functions and the comprehensive help screens in one of six languages to guide the user through the operation of the unit.
- Easily create programs for repeat applications. Storage for five separate, 5-step programs. The USB port allows the transfer of test data to a flash drive for data logging and program storage.

Incubating Cooling Thermal Shakers

| Model | ISTHBLHTS / ISTHBLHTSN** | ISTHBLCTS / ISTHBLCTS** |
|--------------------------------|---|---|
| Shaker Type | Thermal Shaker | Cooling Thermal Shaker |
| Control | Touchscreen | |
| Motion | Orbital, 0.1 in. / 3 mm | |
| Speed Range | 300 – 3000 rpm | |
| Speed Accuracy | ± 2% | |
| Temperature Range | Ambient + 4 °C – 100 °C | 17 °C below Ambient – 100 °C |
| Temperature Accuracy | +/- 1 °C between 20 °C and 45 °C; +/- 2 °C above 45 °C | +/- 0.5 °C between 20 °C and 45 °C; +/- 2 °C below 20 °C and above 45 °C |
| Heating Rate | 5 °C/min | |
| Cooling Rate | Above ambient 2-3 °C/min, Below ambient 0.5-10 °C/min | |
| Timer | 1 second – 99 hours, 59 minutes | |
| Capacity | 1 Thermal block | |
| Working Environment | 41 °F – 95 °F, 80% RH*, non-condensing / 5 °C – 35 °C, 80% RH, non-condensing | |
| Display | 4.3 in. / 10.9 cm color touchscreen LCD | |
| Drive System | Brushless DC Motor | |
| Overall Dimensions (L x W x H) | 10.6 x 10.03 x 5.4 in. / 269 x 262 x 137 mm | |
| Net Weight | 10.8 lb / 4.9 kg | |
| Power | 120V, 1.8A, 50/60Hz | |
| Power Consumption | 215 W | |

*Relative Humidity **Accessory block not included with unit.

Other Standard Features and Equipment

ISTHBLHTS and ISTHBLCTS units are supplied with block for 24 x 1.5 mL tubes, removable rack and cover. Detachable 3-wire cord and plug (included). Additional features: hot top indicator, audible alarm, maximum temperature limiting function, temperature priority function, pulse/quick mix mode, temperature calibration mode, temperature ramp rate function

Compliance

- **Product Safety:** CAN/CSA C22.2 61010-1, CAN/CSA C22.2 61010-2-010, CAN/CSA C22.2 61010-2-051, UL 61010-1
- **Electromagnetic Compatibility:** ICES-003 Class A, FCC Part 15 Class A
- **Compliance Marks:** TÜV SÜD

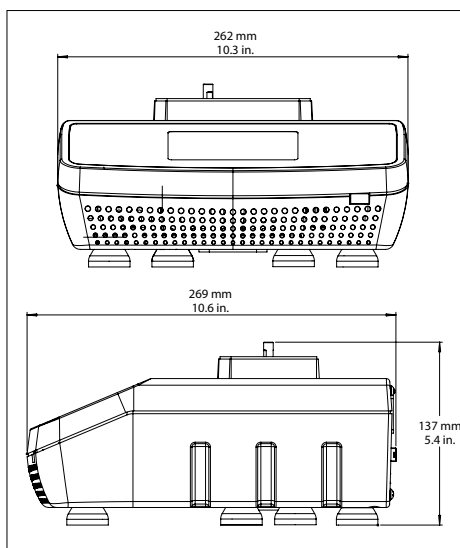
Applications

DNA, RNA, cell cultures, hybridizations, protein studies

Accessories

| Item No. | Description |
|----------|--|
| 30400126 | Microplate Thermal Block |
| 30400127 | 384 Well PCR Plate Thermal Block |
| 30400128 | 0.2 mL PCR Plate/Tube Thermal Block |
| 30400129 | Block For 30 x 0.5 mL Tubes |
| 30400130 | Block For 24 x 1.5 mL Tubes |
| 30400131 | Block For 24 x 2.0 mL Tubes |
| 30400132 | Block For 24 x 5-7 mL Tubes (12 mm) |
| 30400133 | Block For 24 x 2.0 mL Cryotubes |
| 30400134 | Block For 9 x 5 mL Eppendorf Tubes |
| 30400135 | Block For 8 x 15 mL Conical Tubes |
| 30400136 | Block For 4 x 50 mL Conical Tubes |
| 30400250 | Rack For 30 x 0.5 mL Tube Block |
| 30400251 | Rack For 24 x 1.5 / 24 x 2.0 mL Tube Blocks |
| 30400252 | Cover For 0.5 mL / 1.5 mL / 2.0 mL Tube Blocks |

Dimensions



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The management system
governing the manufacture
of this product is
ISO 9001:2015 certified.

