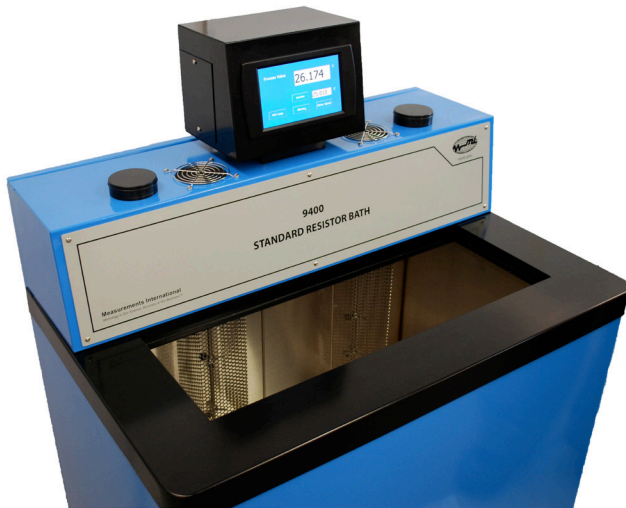


Model 9400



Standard Resistor Oil Bath

- Stability and Uniformity <2 mK
- Quiet Operation
- Large Working Area
- Temperature Band Protection
- Thermoelectrically Cooled
- Adjustable Stirring Speed
- IEEE-488 and RS232

MODEL INFORMATION

Measurements International's series of fluid baths are used for the maintenance of Standard Resistors and Shunts. The 9400 has been designed after compiling years of customer feedback on existing resistor oil baths. The result is a stable, quiet oil bath that can be used with the CCC and QHR due to its low electrical noise and low operating and maintenance costs.

The 9400 does not use a compressor and as such is very quiet both audibly and electrically. The one piece stainless steel tank is grounded and isolated from the anodized resistor shelf. Stirring is provided by two adjustable speed motors. The tank lid is insulated and sits atop a resistor drain shelf. The access opening is 25" by 8" to accommodate easy access for handling larger resistors.

The touch screen interface displays temperature and gives the user access to the PID for adjustment of set points, alarm settings and stirring speed. The exclusive design uses a proprietary temperature Band protection circuit.

The Bath is equipped with two drain/fill ports. An optional pump system, Model 9400-P can be used to fill or drain the bath and includes a filtration system to filter debris from the tank.



There are two 2" vertical conduit ports to for resistor cables and to minimize wicking. These ports allow the tank lid to remain in place for increased temperature stability. For easy connections to resistors and shunts see the Model 9400-I interconnect Panel. For holding your standard resistors securely.

The 9400 comes standard with IEEE-488 and Serial RS232 Interface and can be controlled via Measurements International's resistance bridge operating software.

Specifications

Operating

Stability & Uniformity <2 mK
 Temperature Range 15-30 °C

Size

Tank Size 27"x 15"x 13" Dp.
 Tank Opening 25"x 8"
 Usable Tank Area 27"x 11"x 12" Dp.
 Outside Dim 34"x 22"x 38" Tall

Fluid

Mineral Oil / Water 73 L / 19 Gal
 Mass 73 Kg / 161 Lbs

Controller

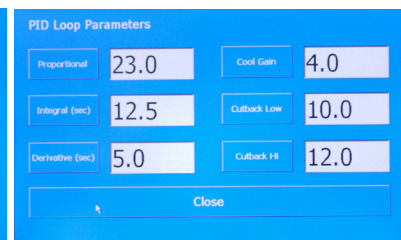
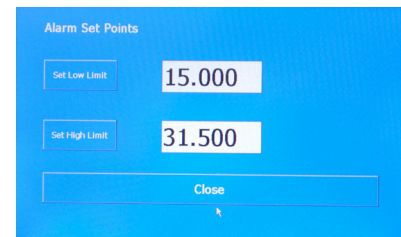
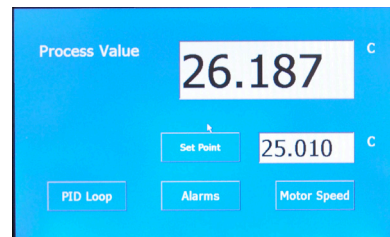
Input 4W RTD
 Control Heat/Cool
 Control Loop PID

Safety

Level One Main Controller
 Redundant high/low with sensor

Power

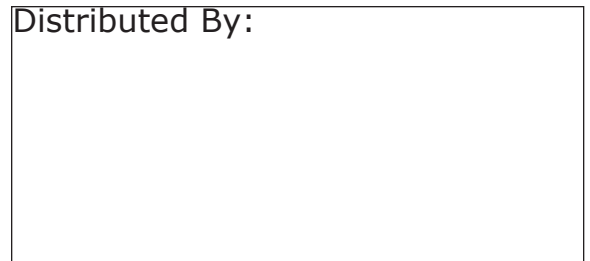
Voltage 120 V / 220 V - 50/60 Hz
 Current 20 A / 10 A
 Plug Configuration On Order



Accessories:

- 9400-P - Oil Filtration and Pump
- 9400-I - Resistor Interconnect Panel

Distributed By:



Form MI 66, Rev. 6, Dated 09-0-03 (QAP19, App. "N")

Data Subject to Change

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