



Standard Resistor Oil Bath

- Peltier Cooled
- DC stirrer motors for low electrical noise
- Dual Drain ports
- Adjustable stir speed
- 10 Channel Interface Panel included
- 2 Stage Temperature Band protection
- Free standing bench height
- Compatible with MI bridge software
- Grounded Stainless Steel Tank

MODEL 9400



Model 9400 Standard Resistor Oil Bath

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 9400A is a new design with two impellers connected to stir motors, this is designed to improve the chambers fluid flow in order to reduce the temperature gradient. This new design avoids "temperature shadows", where the heat dissipated from one resistor will directly affect "downstream" resistors.

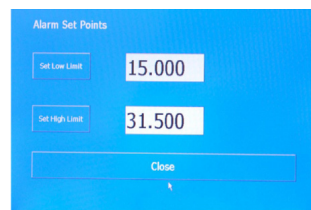
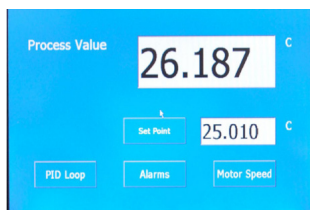
The 9400 does not use a compressor and as such is very quiet both audibly and electrically. The one piece stainless steel tank is grounded and isolated from the anodized resistor shelf. Stirring is provided by two adjustable speed motors. The tank lid is insulated and sits atop a resistor drain shelf. 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.





Model 9400 Standard Resistor Oil Bath

Specifications: Rev 5

Operating	
Stability	<0.002 °C
Operating Temperature	15 - 30 °C
Maximum Temperature Gradient	0.1 °C
Size	
Tank Size	686 x 368 x 356 mm
Tank Opening	635 x 203 mm
Usable Tank Area	686 x 279 x 330 mm
Fluid	
Mineral Oil / Water	70 to 80 Liters
Controller	
Input	4W RTD
Control	Heat/Cool
Control	Loop PID
Safety	
Level One	Main Controller
Redundant	High/low with sensor

Dimensions:
876 x 572 x 1384 mm

Weight:
113 kg

Shipping Weight:
190 kg

Main Power:
120 - 240 V @ 50 - 60 Hz
2400 VA Max.

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