



Model 9301JW

**Standard Resistor Oil Bath
95 Liter w/ IEEE488 Interface**

*Stability to $\pm 0.0007^{\circ}\text{C}$
Uniformity to $\pm 0.003^{\circ}\text{C}$
IEEE488 Interface
Large Working Area*

General Description:

Measurements International's series of fluid baths are used for the maintenance of Standard Resistors and Shunts. The drivers for these baths are also included in Measurements International's 6010SW software for the 6010 system for performing alpha and beta calculations on standard resistors and shunts. It has a one piece stainless steel lid designed to drain spills and splashes back into the bath and has a large access opening for handling large resistors. The tank also includes an electrically isolated shelf.

The 9301JW is supplied with a floor cart for portability. Two stirrer motors insure that the gradients remain within the stringent specifications. The baths are designed to hold optimal temperature for any period of time.

The exclusive controller design uses proportional and integral control with a novel lock in amplifier design capable of sensing temperature changes to 0.00001°C . For easy connections to resistors and shunts see the Model 9301-02 interconnecting fixture. For holding your standard resistors securely within the working area see the Model 9301-01 holding fixture.

The Model 9301JW can be ordered with or without RS232 and IEEE488.

Model 9301JW

Specifications:

Range	0 to 110°C
Stability at 25°C	±0.0007°C (water) ±0.001°C (mineral oil)
Uniformity	±0.003°C at 25°C (water) ±0.005°C at 25°C (mineral oil)
Temperature Setting	Digital Display w/ Push Button Entry
Set-Point Resolution	0.002°C High Resolution: 0.00003°C
Display Temperature Resolution	0.01°C
Digital Setting Accuracy	±0.1°C
Digital Setting Repeatability	±0.01°C
Heaters	500 and 1000 Watts
Cooling Capacity	100 to 200 Watts
Access Opening	699 mm x 279 mm
Bath Chamber Capacity	3933 cubic inches
Depth	331 mm
Wetted Parts	304 Stainless Steel
Power	115 VAC(±10%), 60 Hz, 18 Amps 230 VAC(±10%), 50 Hz, 9 Amps
Volume	95 liters
Interface Package Options	RS-232, RS-232 & IEEE488
Operating Environment	18 to 30°C, 10 to 80% RH
Warranty	1 Year Parts & Labor

Dimensions:

1219 x 1143 x 508 mm

Weight:

141 kg

Shipping Weight:

180 kg

Accessories:

9301 – 01

9301 – 02

9301 – RS232

9301 – IEEE488

Operating Voltage:

115VAC(±10%), 60 Hz, 18 Amps

or

230VAC(±10%), 50 Hz, 9 Amps

Distributed By:

How to Order:

Model: 9301JW - Standard Resistor Oil Bath

Data Subject to Change

Printed in Canada



Measurements International

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Form MI 67, Rev. 1, Dated 01-11-15 (QAP 19, App. "O")