



Model 9300A

Temperature Controlled Chamber

*Stability to $< 50\text{mK}$
Selectable Set Points
Resistor Maintenance
Rack Mountable*

General Description:

The Model 9300A Series Temperature Controlled Chambers are designed as a convenient and inexpensive way to maintain the temperature of air resistors in the calibration laboratory. It is large enough to house several standard air resistors and features two adjustable shelves to permit easy access to the standards. The shelves are easily removable.

Easy access to the inside of the chamber is achieved through the conveniently mounted front door. Resistor leads are brought into the chamber through a small, insulated opening in the rear of the unit. The integrated control unit adds convenience as it eliminates a separate controller unit. Temperature control is located inside the chamber. A keyboard control can be used to set the individual temperatures between $15\text{ }^{\circ}\text{C}$ and $40\text{ }^{\circ}\text{C}$. On the temperature may be set over the GPIB.

Cooling and heating for the chamber is provided for by a thermoelectric Peltier element using internal thermistors as sensing elements. Internal fans are used to move the air inside the chamber to provide for better temperature stability and uniformity while maintaining a quiet operation. The internal temperature is shown on an external display located on the front of the chamber.

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Specifications:

Temperature Set Range (maximum setting point of 12 °C below ambient temperature)	15 to 40 °C (59 to 104 °F)
Set Point Resolution	0.01 °C
Temperature Stability	± 50 mK for ± 2 °C change in ambient
Temperature Accuracy	± 50 mK
Readout Resolution	0.01 °C
Temperature Ramp Time (15-40 °C)	100 min
Temperature Ramp Time (40-15 °C)	100 min
Internal Dimensions	330 x 510 x 630 mm
Operating Environment	18 to 34 °C (64 to 93 °F)
Warranty	1 Year Parts & Labor

Dimensions:

430 x 700 x 950 mm

Weight:

73 kg

Shipping Weight:

88 kg

Accessories:

Model 9331 Air resistors

Operating Power:

100-240V @ 47-63Hz

Distributed By:

How to Order:

Model 9300A

Temperature Controlled Chamber

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")