

>183.65546 67616.23-2829 955 56
>198.65546 65612.23-2829 955 56
>198.65546 65612.23-2829 955 56
>152.698016 68818.28-2399 92356
>198.643636 78617.73-2289 783 56
>124.634546 78672.23-7779 683 56
>458.11142 83417.78-2397 876 56
>145.523286 64486.22-2689 986 56
>140.77060 32814.07-7060 328 56

MODEL 9300A



Temperature Controlled Standard Resistor Air Bath with

- Stability <15 mK
- Large working area (4 SR104's)
- Temperature band protection
- Peltier cooled
- Stainless steel construction
- Temperature range 15°C to 40°C
- IEEE488
- Interfaces to 6010, 6242 & 6000B for automatic measurements of temperature coefficients using MI software

MODEL INFORMATION

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°C and 40°C, or 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.

The Over Temperature Protection (OTP) has 4 selectable ranges.

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	± 15 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
Selectable OTP Range	Without Temperature Protection
	14°C ≈ 41°C
	17°C ≈ 31°C
18°C ≈ 28°C	
Internal Dimensions	330 x 510 x 630 mm
Operating Environment	18 to 34°C (64 to 93°F)
Warranty	1 Year Parts & Labor
*Ambient represent typical lab temperature of 23°C	

Dimensions (L x W x H):
 668 x 432 x 946 mm

Weight:
 73 kg max

Shipping Weight:
 88 kg

Accessories:
 Model 9331 Air resistors

Operating Power:
 100-240V @ 47-63Hz

How to Order:
 Model 9300A
 Temperature Controlled Chamber

Disributed By:

Corporate Headquarters

Measurements International
 PO Box 2359, 118 Commerce Drive
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