Measurements International

Metrology is Our Science, Accuracy is Our Business™

MODEL 9300

Temperature Controlled Air Bath

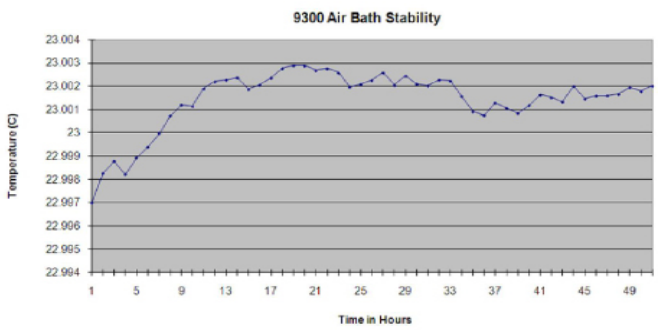
- Stability to < 50 mK
- Large working area
- Temperature band protection
- Peltier cooled
- Light weight and portable
- Temperature range 15°C to 40°C

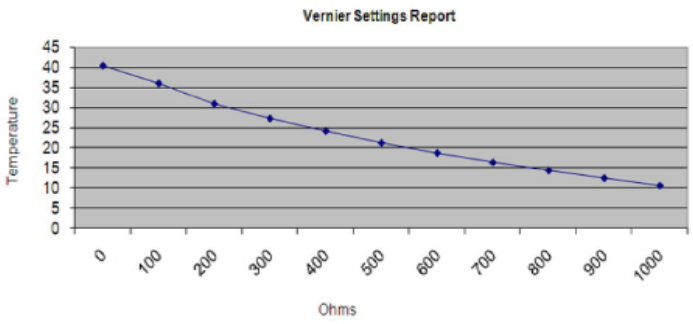
MODEL INFORMATION

The Model 9300 Series Air Baths 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 an adjustable shelf to permit easy access to the standards. These shelves are easily removable in order to place a single ESI type SR104 standard in the bath. The bath is small and rugged and may be moved about easily.

Easy access to the inside of the bath is achieved through the conveniently mounted front door. Resistor leads are brought into the bath 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 setting is located outside the bath. A vernier type control is used to set the individual temperatures between 15 °C and 40 °C. A corresponding graph of vernier settings verses temperature is supplied with each unit.

Cooling and heating for the bath is provided for by a thermoelectric peltier element using an internal thermistor as the sensing element. An internal fan is used to move the air inside the bath to provide for better temperature stability and uniformity while maintaining a quiet operation. The internal temperature is shown on a LCD located inside of the bath. The LCD Display module can also be programmed to set over and under control limits. If the temperature should exceed these points, the power to the bath is disconnected.





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MODEL 9300 Temperature Controlled Air Bath

Specifications: Rev 5

Temperature Set Points (Maximum of 10 °C below ambient)	15 °C to 40 °C
Temperature Stability	±50 mK for ±1 °C change in ambient
Internal Dimensions (LxWxH)	330 x 356 x 610 mm
Operating Environment	18 to 34 °C, 10 to 80% RH
Warranty	1 Year Parts & Labor

Dimensions: (L x W x H)
527 x 451 x 711 mm

Weight:
22 kg

Shipping Weight:
34 kg

Main Power:
85 - 265 V @ 47 - 63 Hz

Corporate Headquarters

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