HVAC/K Sensors

HVAC/R Sensors



Thermal Vial™ Temperature Sensing System

- Ideal for ultralow freezers, laboratories, blood banks, walk-in freezers and refrigerators, even incubators — anywhere accurate sensing of the contents instead of the air is a vital concern.
- Sealed polyethylene Thermal Vial™ virtually eliminates spillage and contamination. Simply fill with fluid such as ethylene glycol, alcohol, water, or a cryopreservative to accurately emulate the material being stored or processed.
- Large (50 mm × 50 mm) footprint provides stability on a shelf or rack. Holds 175 ml (6 oz) of fluid.
- 100 Ω Platinum RTD probe is constructed of 316 Stainless Steel and operates to -269°C (-452°F).
- Cable is reinforced with stainless steel braid for ruggedness.
- 4-20 mA transmitter is match calibrated to the RTD for ±0.75% of span system accuracy.
- NIST certificate and calibration data supplied at no additional cost.

Specifications

Temperature range:

Probe and vial: -269 to 120°C (-452 to 248°F). Transmitter: -25 to 85°C (-13 to 185°F).

RTD probe: 100Ω Platinum;

TCR = 0.00385.

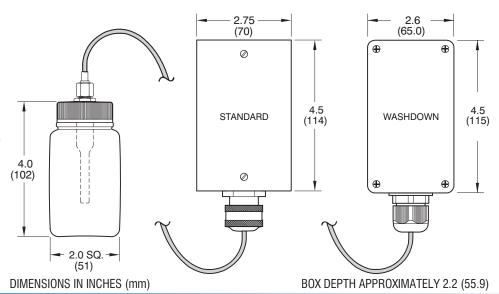
Transmitter: 4 to 20 mA output; 8.5 to 35 VDC loop powered.

How to order

AS101436 Assembly number: AS101436: Standard construction AS102437: Washdown compatible 100 Ω platinum RTD 72 Cable length in inches Temperature range for 4-20 mA output: $AT = -100 \text{ to } 40^{\circ}\text{C} (-148 \text{ to } -40^{\circ}\text{F})$ $EZ = -100 \text{ to } 0^{\circ}\text{C } (-148 \text{ to } 32^{\circ}\text{F})$ $LN = -100 \text{ to } 100^{\circ}\text{C } (-148 \text{ to } 212^{\circ}\text{F})$ $M = -50 \text{ to } 50^{\circ}\text{C} (-58 \text{ to } 122^{\circ}\text{F})$ $BC = -10 \text{ to } 30^{\circ}C (-22 \text{ to } 86^{\circ}F)$ 0 to 50°C (32 to 122°F) Other ranges are available. See page 5-10. AS101436PD72M ← Sample P/N

Washdown compatibility

The washdown compatible Thermal Vial includes a polycarbonate housing and PTFE sensor cable for compatibility with the chemicals commonly used.



Minco Bulletin TS-103 Order Desk: 763-571-3123 ♦ Fax: 763-571-0942 ♦ www.minco.com