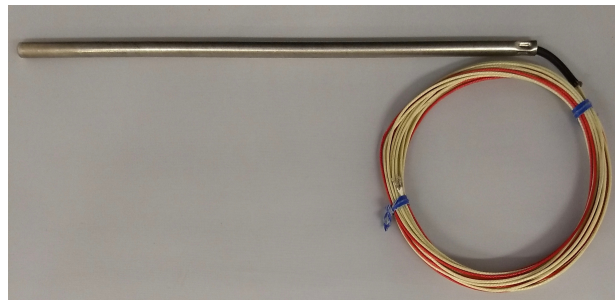


BP-HT Temperature Sensor

SPECIFICATION SHEET



BP-HT

- NIST certificates are available.
- 10' of wire included with each sensor, more available for purchase
- For models, VM610E, VM510E, CM705E, M307, M308, M309, CM712

Description:

The BP-HT (High Temperature Bullet Probe 8") temperature sensors incorporate a Class B, wire wound platinum RTD sensor which conforms to DIN-IEC-751 and DIN 43760 platinum RTD standards. They are designed to withstand extreme temperature fluctuations that cause issues with standard temperature sensors in a typical oven application.

Specifications

Sensor Output	1000 Ohms @ 32°F (0°C)
Sensor Accuracy (single point)	+/- 0.54°F @ 32°F (0°C)
Sensor Accuracy (formula)	$0.3^{\circ}\text{C} + 0.005 \times [t] = \text{max. error } ^{\circ}\text{C}$ **
Sensor Accuracy Class	Class B Tolerance
Stability	Less than +/- 0.1°C drift
Repeatability	+/- 0.2°C (+/- 0.36°F)
Operating Temperature Range	-40 to 395°C (-40 to 743°F)
Temp. Coefficient	0.00385 Ohm/Ohm/°C
Standardization	DIN-IEC-751 (formerly DIN 43760)

** [t] = Numerical value of the temperature in °C without taking into account positive or negative signs.