

## Model BP and BP-V Temperature Sensor

### SPECIFICATION SHEET



- NIST certificates are available.
- 10' of wire included with each sensor, more available for purchase
- Vials (BP-V) filled with glass beads are designed to mimic a medicine bottle
- For models VM605E, VM505E, VM505 M303, CM712, M305, MA412

#### Description:

The temperature sensors incorporate a Class A, Thin Film Platinum RTD sensor which conforms to DIN-IEC-751 platinum RTD standards. These sensors are available in two or three wire configurations, incorporating high accuracy and interchangeability throughout a wide operating temperature range.

These sensors are offered in Room (R)\*, BP (bullet probe) BP-V (bullet probe in a vial), and Stainless Plate (SP)\*

BP-V vial is approximately 1.5" wide and 3.5" tall.

\*See other specification sheets if you need these sensors.

### Specifications

|                            |   |
|----------------------------|---|
| Output                     | 1K Ohms @ 32°F (0°C)  |
| Accuracy                   | +/- 0.06% @ 32°F (0°C) Single Point<br>+/- 1.0 Ohm @ 70°F (Averaging) |
| Stability                  | Less than +/- 0.1°C drift   |
| Repeatability              | +/- 0.2°C (+/- 0.36°F)  |
| Operating Temp. Range      | BP -58 to 392°F (-50 to 200°C)<br>BP-V -58 to 266°F (-50 to 130°C)    |
| Temperature Coefficient    | 0.00385 Ohm/Ohm/°C  |
| Standardization            | DIN-IEC-751 (formerly DIN 43760)                                      |
| Resistance Characteristics | +/- 0.06% Class A (Standard)  |