

Rugged Infrared Non-Contact Temperature Sensor



OS36-3-K-1200F



OS36-3-K-1200F shown actual size.

- ✔ Withstands Extreme Ambient Temperature Changes
- ✔ All 303 SS Construction, For Harsh Environments
- ✔ NEMA 4X (IP67) Rated
- ✔ Fast Response Time
- ✔ Drift Free
- ✔ Type K Thermocouple Output
- ✔ Self Powered
- ✔ 3:1 (17°) Field of View

The OS36-3-K-1200 is ideal for use in extreme ambient temperature applications. Maintains accuracy with thermal shock. High pressure and vacuum compatible. The Model features a 3:1 (17°) with a minimum spot size of 6 mm (0.25"). The sensor exceeds NEMA 4X (IP67) and is intrinsically safe when used with appropriate barriers.

Specifications

Operating Temperature Range: -45 to 650°C (-50 to 1200°F)

Output: Type K thermocouple output

Accuracy Interchangeability: 1% to factory calibration conditions

Ambient Temperature Range: -45 to 100°C (-50 to 212°F)

Storage Temperature: -45 to 100°C (-50 to 212°F)

Dimensions: See below PFA coated lead wires

Transmitter Housing: 303 stainless steel

Environmental: Hermetically sealed, exceeds NEMA 4X (IP67), CE and RoHS rated

Spectral Response Time: 6.5 to 14 microns

Emissivity: 0.90

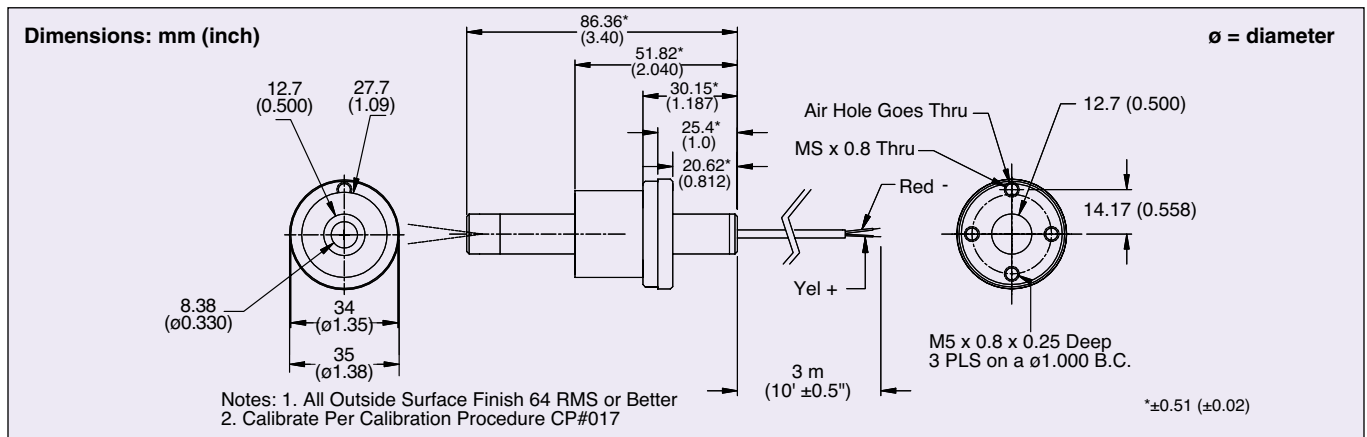
Response Time (95% of Step Change): 100 msec

Field of View: 3:1 (17°)

Minimum Spot Size: 6 mm (0.25")

Impedance: 4 to 8 kΩ

Update Time: Instantaneous



To Order	
Model No.	Description
OS36-3-K-1200F	K Thermocouple, output signal

Comes complete with operator's manual.

Ordering Examples: OS36-3-K-1200F, infrared thermocouple sensor, Type K with -45 to 650°C (-50 to 1200°F) range.