

Flue Gas Temperature



The flue gas temperature series is designed to allow monitoring of flue gas operating temperatures. The terminal head is mounted on a stand-off to decrease heat transfer to the terminal block or temperature transmitter and wire connections held within.

- ◆ Easy installation
- ◆ Rapid response
- ◆ Rugged design

Technical Data

Wire:

- 200°C: 24 AWG, teflon/teflon
- 400°C: 24AWG, fiberglass/fiberglass
- 600°C: 20AWG, fiberglass/fiberglass

Coupling / nipple extension:

- Terminal block connection: 2" between head and flange
- Temperature transmitter connection: 6" between head and flange

Sheath material: 316 stainless steel

Probe diameter: 1/4"

Probe length: see ordering data

Sensor type: Pt100 RTD / Thermocouple

Accuracy:

- Pt100: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- Thermocouple: standard limits of error, special limits available

Operating temperature: see ordering data (200°C, 400°C and 600°C available)

Enclosure: aluminum head

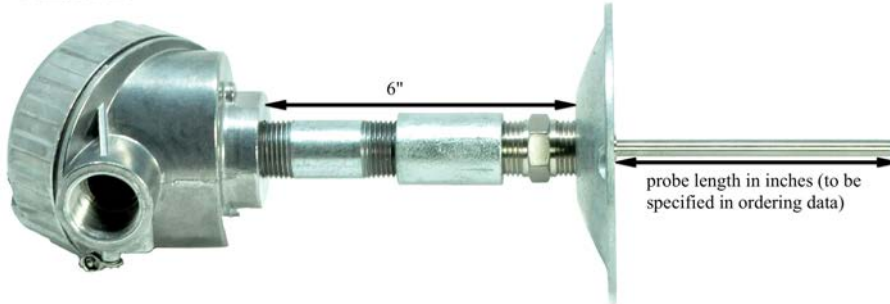
Mounting: aluminum flange

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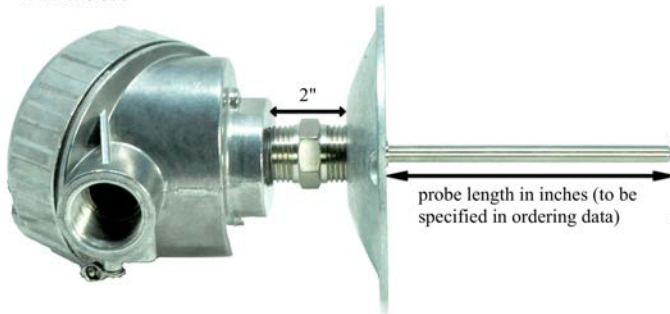
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Industry Usage:
Manufacturing

Flue gas with temperature transmitter
Dimensions



Flue gas w/ terminal block
Dimensions



Ordering Data

TS-F -(probe length)- (sensor type)- (sensor value)- (max operating temp)
in inches R = RTD 100 = 100 ohms in °C
TC = Thermocouple K = K calibration

ie. TS-F-8-R-100-400: Flue gas temperature assembly with 8” long probe, 100 ohm RTD and maximum operating temperature of 400°C

TT-F -(probe length)- (sensor type)- (sensor value)- (max operating temp)/ (temp trans. range)
in inches R = RTD 100 = 100 ohms in °C
TC = Thermocouple K = K calibration

ie. TT-F-8-R-100-600/0C600C: Flue gas temperature assembly with 8” long probe, 100 ohm RTD, maximum operating temperature of 600C and temperature transmitter with a temperature range of 0...600°C