

APPLICATIONS

- Process temperature measurements for liquefied natural gas systems, and power generation systems.
- Exhaust gas temperature measurements for hazardous environments.
- Reactor measurements in petrochemical

SPECIAL FEATURES

The FTIsensors TC200 and TC220 temperature sensor assemblies provide accurate temperature measurements for applications that are located in hazardous environments. Each temperature sensor assembly consists of a spring loaded temperature sensor, magnesium oxide, MgO, insulated insert, connection head and lag extension. The assembly may also include an optional terminal block for wiring and/or transmitters.



SPECIFICATIONS

Insert Stem Diameter:

3 mm, 4.5 mm, 6 mm, 8mm

Stem Length:

Minimum: 0.05 m/2 in.

Maximum: 100 m/3937 in.

Sensor Type & Measuring Range:

Thermocouples

Type J -40 to +750°C

Type E -200 to +800°C

Type K -200 to +1100°C

Type N -200 to +1100°C

Wiring Configuration

2 wire

4 wire

Thermocouples (IEC 60584-2)

	Type J	Type K	Type T	Type E	Type N
Class 1	±1.5°C or ±0.0040* t (1)	±1.5°C or ±0.0040* t (1)	±0.5°C or ±0.0040* t (1)	±1.5°C or ±0.0040* t (1)	±1.5°C or ±0.0040* t (1)
Class 2	±2.5°C or ±0.0075* t (1)	±2.5°C or ±0.0075* t (1)	±1.0°C or ±0.0075* t (1)	±2.5°C or ±0.0075* t (1)	±2.5°C or ±0.0040* t (1)
Class 3	N/A	±2.5°C or ±0.0040* t (1)	±1.0°C or ±0.0150* t (1)	±2.5°C or ±0.0150* t (1)	±2.5°C or ±0.0150* t (1)

(1) Absolute temperature in °C

Dimension Drawing

Type 13

Material: diecast light metal

Protection class: IP65

