

Resistance Thermometer for Hazardous Environments



Made in the UK

Description

A Pt100 temperature sensor with explosion proof head for use in hazardous environments.

This range of resistance thermometers are designed for use in demanding applications, which require a robust temperature sensor assembly.

The RTD consists of a Pt100, Class B 3-wire, 6mm diameter removable insert, housed in an 11mm diameter rigid stem. It has a standard process connection of ½" BSPP, all made from 316 stainless steel. Various immersion lengths are available to suit your process with a standard lagging length of 50mm below an explosion proof terminal head.

The Ex d IP68 explosion proof head and flame path collar are designed to extinguish flames inside the device, eliminating the potential for ignition of flammable mixtures in the surrounding atmosphere (when used with appropriate cable gland). It also has an M20 cable entry and comes with a ceramic terminal block or optional in-head transmitter.

It can be supplied with an intrinsically safe (Ex ia) transmitter if required. Also, an optional high temperature mineral insulated construction is available or as part of a bespoke pocket or thermowell assembly.



Specification

Product	Resistance Thermometer for Hazardous Environments
Type	RTD for Hazardous Environment
Temp Range	-50 to +250 °C
Length	150, 300, 500 & 1000mm
Diameter Ø	11mm with 6mm insert
Terminal Head Rating	EEx d IIC T6 IP68 Ex tD A21 T100°C IP68
Connection	½" BSPP
Accuracy	Class B
Material	316 Stainless Steel wetted parts
Part Number	RFE XD

Features

- ATEX approved Ex d head
- Flame path collar
- ½" BSPP Process fitting
- 316 Stainless Steel sheath
- Class B RTD sensor

Application

- Oil & Gas Industries
- Chemical & Petrochemical
- Power & Utilities

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