

FLAMEPROOF RTD Pt-100 TEMPERATURE SENSORS WITH INTEGRATED TRANSMITTERS



Flameproof RTD Pt-100 Sensors with 2 Wire Loop Temperature Transmitters are industry standard devices for signal transfer over long distance using a pair of normal copper wires without EMI/RFI Interference over distance.

Flameproof RTD Pt-100 Sensors (Optionally also available with non flameproof enclosures) are 3 Wire Class A temperature sensors with excellent linearity & repeatability features, also available in Duplex 6 Wire Type models.

Duplex Flameproof RTD Pt-100 Sensors are 6 Wire Class A temperature sensors giving 2 outputs of 3 Wires Each, thus providing ease of connecting one RTD Pt-100 Sensor to 2 measuring devices simultaneously.

The Flameproof RTD Pt-100 Sensors are provided with a Flameproof Aluminium LM-6 Alloy construction thermocouple head certified by CIMFR, Dhanbad for use in Gas Group Areas I, II, IIA & IIB. The standard material of construction of the sheath is Stainless Steel 316 with *optional seamless stainless steel 316*.

Technical Specifications:

Sensor Type	Simplex - RTD Pt-100 3 Wire Duplex - RTD Pt-100 6 Wire (2 outputs of 3 Wires Each)
Stem Length	Any custom length as per drawing provided
Stem Diameter	Custom Designed as per user specifications, Standard available 6mm. O.D. & 8 mm. O.D.
M.O.C.	Standard Stainless Steel 316 ; Optional Stainless Steel 316 Seamless / Any other as per customer specifications
Range	Standard : -50.0 to +200.0 Deg. C Optional : -100.0 to +300.0 Deg. C Special : As per customer specification
Accuracy	+/-0.1 Deg. C +/-1 count
Transmitter Options	Output : 4-20 mA 2 Wire & Loop Powered Calibrated as per input Range Power Supply : 24 V.D.C. Enclosure : Head Mounted Type Size : 45 (Dia.) x 25 (H) mm suitable for fitment inside the Thermocouple Head