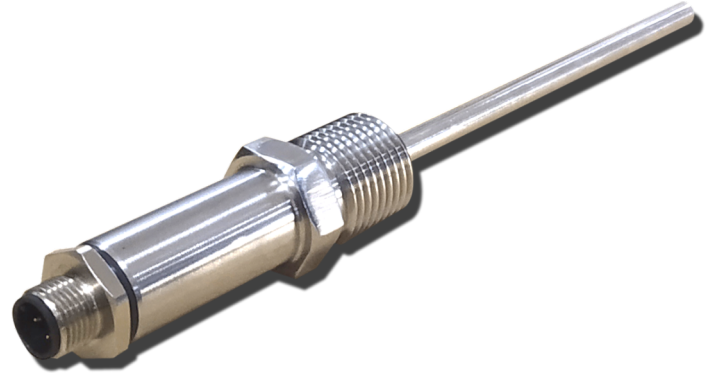


The Probe Transmitter is a 4-20 mA, 2-wires temperature transmitter for head mount, powered by the current loop. Its configuration is accomplished by connecting the TTL interface configuration. The configuration does not require that the transmitter be powered.

The output current is linearized according to the selected input sensor and adjusted to the configured range.

Probe transmitter has designed to be installed in tubes and other small places with its rugged design. It is perfect for environments where we have vibrations, moisture and extreme temperatures, electro-magnetic interference, high voltage and other interferences



Technical Specification

Sensor Type	Pt100, Pt1000
Switch-on delay	<2.5 sec. The accuracy is only guaranteed after 15 min.
Temperature Effect	< $\pm 0.2\%$ / 25°C
Response time	Typical 1.6 sec.
Maximum voltage allowed at input terminals without sensor:	3V
RTD current	165 μA .
RTD cable resistance effect	0.005 $^{\circ}\text{C}$ / Ω
Power supply influence	0.006% / V typical (percentage of the full measure range).
Output	4-20 mA current, 2-wire; linear in relation to the temperature measurement by the selected sensor.
Power supply	12 to 25 V DC, across the transmitter
Operating Temperature	0 to 70 $^{\circ}\text{C}$
Maximum Load	200 Ω at 18V, 500 Ω at 24V
Resolution	0.25 μA

Tempsens Instruments (I) Pvt. Ltd.

B-188A, Road No.-5, M.I.A., Madri, Udaipur - 313 003 (Raj) INDIA

Ph.: +91-294-3057700, Fax.: +91-294-3057750,

E-mail: info@tempsens.com