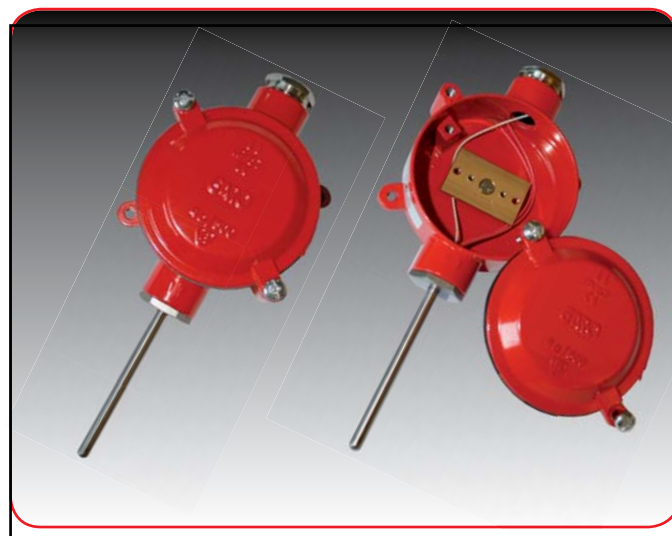


Pt100 TEMPERATURE SENSOR

- Accuracy according to IEC 60 751
- Wall-mounted
- Protection degree IP67
- Red-lacquered lightweight metal housing
- Protection tube $\varnothing 6 \times 1$ mm
- Ambient temperature -50°C to $+80^{\circ}\text{C}$



Application:

- Temperature measurement in general work, industrial and storage facilities as well as cold and freezing rooms.

Technical characteristics:

- The sensor element is a thin film platinum resistor - Pt100 - laboratory-trimmed to comply with the resistance values defined in the standard IEC 60751 1/10 DIN class B.
- The advantage of a thin film element is a very short response time.
- The Pt100 element is electrically isolated from the protection tube and the terminal head.
- The protecting tube measures $\varnothing 6 \times 1$ mm. It is made of stainless, acid-proof steel W No. 1.4571/AISI 316TI, filled with aluminium oxide powder.
- The terminal head is produced of lightweight metal and protected against corrosion through industrial lacquering.

Wire connection:

- The sensor is delivered with a 3 wire connection.

Option:

- The Pt100 temperature sensor type 7410 can be delivered with an integrated 2-wire universal temperature transmitter type 5331, 5333, 5335 or 5350 for both standard applications or applications with bus communication.

Electrical specifications, Pt100 element:

Type	Thin film, class A
Accuracy, IEC 60751	1/10 DIN class B
Recommended sensor current	≤ 2 mA
Max. temperature diffusion at 0°C	$\leq \pm 0.03^{\circ}\text{C}$
Long term stability (1000 hours at max. temperature)	$\leq \pm 0.05^{\circ}\text{C}$

Other specifications:

Protection tube	$\varnothing 6 \times 1$ mm
Sensor length	79 mm
Protection degree	IP 67
Wire connection	PG 16

Dimensional drawing:

