

MANUAL

Temperature probe

Fitting and wiring the threaded head Pt100 temperature probe with a 6 inch stainless steel sheath.

Instruments covered

Temperature probe

Before you install

- Check that the 6 inch (150 mm) sheath reaches the middle of the pipe or vessel.
- The probe measures -58 to 392 F (-50 to 200 C). Keep the process inside that range.

Fitting

1. Apply a suitable thread sealant to the 1/2 inch NPT thread.
2. Tighten with a wrench on the hex of the head, never by the sheath.
3. Fit the probe where the media flows past the sheath, not in a dead leg.

Wiring

The probe is a Pt100 RTD with three wires. Two wires connect to one end of the sensing element and one wire to the other. Connect all three to a 3 wire RTD input, so the input can cancel the resistance of the cable.

Checking the reading

At 32 F (0 C) a Pt100 element reads 100 ohms. Accuracy is Class B. Compare the reading with a reference thermometer when you commission the probe.

Care

Do not bend the sheath. Keep the head closed so the IP65 rating holds.

Warranty and support

Instruments carry a 12 month warranty against defects in materials and workmanship from the delivery date. For help, use the Contact page and include the model and range.