

Push-in RTD Probes with Cable

1.21



- For measuring temperatures from -50 to +500 °C
- Pt100, Pt500, Pt1000, PTC1000 or NTC resistance sensors
- Double RTD sensing element option
- AISI 316 stainless steel protection tube
- Available in 2-wire, 3-wire or 4-wire circuit
- PVC-, silicone-, teflon- or fiberglass-insulated cable

ET20x series push-in resistance temperature probes are intended for measuring temperatures in liquids and gases. Applications include heating and cooling installations, building and industrial automation, labs.

Depending on the needs of application, platinum RTD sensing elements with specific nominal resistance and accuracy class for temperatures up to +500 °C and common thermistors, protection tubes of various sizes, connection cables for dry and humid conditions, various process connection fittings and flexible stainless steel armour can be supplied.

The standard version includes Pt100 class B sensor with measurement range from -50 to +250 °C and 3 meters of 3-wire silicone insulated cable.

Sensing element

- Pt100, Pt500 or Pt1000 RTD sensor, class B, A, 1/3B or 1/10B according to EN 60751, measurement range -50...+250 °C or -50...+500 °C
- PTC1000 thermistor (1000 Ohm @ 25 °C), range -30...+150 °C
- NTC10A thermistor (10 kOhm @ 25 °C), range -30...+150 °C

Protection tube

- 1.4404/AISI316L acidproof steel Ø3...15 mm, L30...2000 mm (tubes in stock have Ø4 and Ø6 mm and length L = 30/80/130/190/230/290/380/530 mm),
- PTFE coating option for aggressive conditions

Connection cable

- 2-, 3- or 4-wire circuit, shielded or not;
- maximum operating temperature (continuous/peak):
 silicone-insulated 180/230 °C,
 teflon-insulated 260/310 °C,
 fiberglass-insulated 480/530 °C
- transition options from cable to protection tube for strain relief: standard (IP55) or waterproof (IP68)

Accessories

- flanges and screw fittings, series EA0xx
- threaded compression fittings, series EA1xx
- threaded thermowells, series EA2xx
- flexible stainless steel armour for cable, series SSAx

To provide 4-20 mA / 0-10 V analog output or digital RS485 Modbus RTU interface, E2060 series transmitters mountable onto wall and DIN-rail are available (see: sheet 1.51).

