4-20mA
0-10V
RS485

A4
steel

Push-in RTD sensor with terminal head
ET501

- For measuring temperatures from -50 to +500 ℃

- Pt100, Pt1000 resistance sensor

- Double RTD sensing element option

- Variety of DIN B type and miniature terminal heads

- AISI 316 s/s process connection, options of adjustable fittings

- Head-mountable transmitters available — to provide
  0-10 V / 4-20 mA or RS485 Modbus RTU communication

ET50x series push-in resistance thermoprobes with terminal head are designed for measuring temperatures in liquids and gases. Applications include HVAC and refrigeration, heating installations, ovens, furnaces and plant engineering, as well as industrial automation.

The standard version includes Pt100 class B sensor with measurement range -50...+250 ℃ and DIN B type terminal head.

Depending on the needs of application, platinum RTD sensing elements with specific nominal resistance and accuracy class for temperatures up to +500 ℃ and common thermistors, protection tubes of different size, various terminal heads, process connection fittings and outputs can be supplied.

Sensing element
   - Pt100 or Pt1000 RTD sensor,
      class B, A according to EN 60751,
      measurement range -50...+250 ℃ or -50...+500 ℃

Protection tube
   - 1.4404/AISI316L stainless steel,
   - Ø6 mm, L80...380 mm
      (tubes in stock have Ø6 mm and
      L = 80/130/190/230/290/380 mm)

Terminal heads
   - types: B: standard, DIN 43729, aluminium
   - IP55 protection class, up to IP67 on request
   - allowed temperature: without transmitter -40...+100 ℃,
                                          with transmitter -40...+75 ℃

Output
      2 or 3-wire connection
   - E2060 series transmitters mountable into B-, N- and S-type
      terminal heads (see: sheet 2.00) — to provide 4-20 mA/ 0-10
      analog output or digital RS485 Modbus RTU interface

Accessories
   - flanges and screw fittings, series A/AFxx
   - threaded compression fittings, series FS12
   - threaded thermowells, series EA8xx