

Push-in RTD sensor with replaceable insert ET501

4-20 mA
0-10 V

RS485
Modbus

A4
steel



Features

- Measurement range from -50 to 500 °C
- Pt100, Pt1000 resistance sensor
- Double RTD sensing element option
- Variety of DIN B type and miniature terminal head
- AISI 316 s/s process connection, options of adjustable fitting
- Head-mountable transmitters available-to provide 0-10 V/ 4-20 mA or RS485 Modbus RTU communications

Description

ET501 industrial style push-in RTD assemblies 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.

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

Specifications

Sensing element	Pt100 or Pt1000 RTD sensor Class A or B according to EN 60751
Measurement ranges	-50...+250 °C or -50...+500 °C
Protection tube	AISI 316L / EN1.4404 stainless steel Ø6 mm, L80...380 mm (tubes in stock have Ø6 mm and L= 80/130/190/290/500/1000)
Terminal heads	Types: B standard, DIN 43729, aluminum IP55 protection class, up to IP67 on request Allowed temperature: without transmitter -40...+100 °C, with transmitter -40...+75 °C
Output	2-3 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 V Analog output or digital RS485 Modbus RTU interface
Accessories	Flanges and screw fittings- series A/AFxx Threaded compression fittings, series FS 12 Threaded thermowells, series EA8xx

