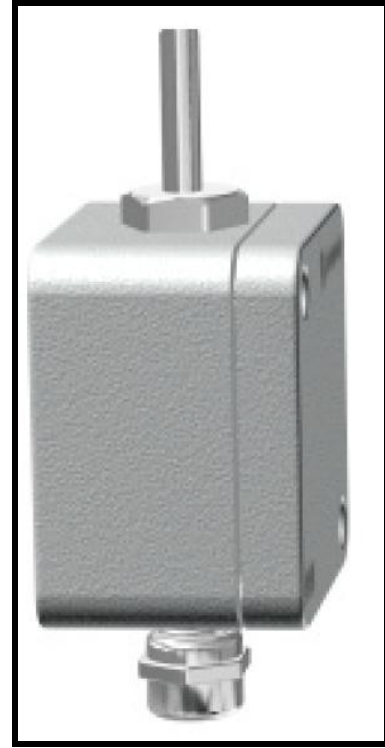




OUTDOOR TWO-WIRE TEMPERATURE TRANSMITTER BTT503/BTS503 (for wall mounting)

- Protection class IP66
- PTx sensitive element
- 0.1% accuracy
- Output Linear with Temperature
- Two-wire 4-20 mA
- Robust aluminum enclosure
- Low cost



DESCRIPTION

The outdoor temperature probes/transmitter BTT503 and BTS503 measure temperature by means of a Pt_x sensitive element mounted in a thin stainless steel stem for fast response. The BTT503 model, in addition, converts the measured temperature into standard 4...20 mA two-wire signal. Both models are enclosed in a freely mountable robust aluminum enclosure with IP66 protection class and are equipped with a PG7 cable gland for stable and protected electrical decoupling. Five different temperature measurement ranges from -50 °C and up to 100 °C as well as customer specified ranges are available. Thanks to their simplicity, small size, and affordable price, they are applicable for various outdoor applications, environment temperature control, climatic temperature measurement, etc.

SPECIFICATIONS GENERAL

Pt-100 or Pt-1000 : -50 - +100°C
 (-50 – +50 standard°C)

Range : Min 25°C

Output : Two-wire, 4-20

Load : 0 – 700 Ω at 24VDC

PERFORMANCE

Accuracy : ±0.1% FS

Burnout : More than 32mA

EMC : EN 50081-1, EN 50082-2,
 73/23/EEC & 89/336/EEC



INSTALLATION

Supply : 10 - 32 VDC

Ambient temp : -50 to +75°C

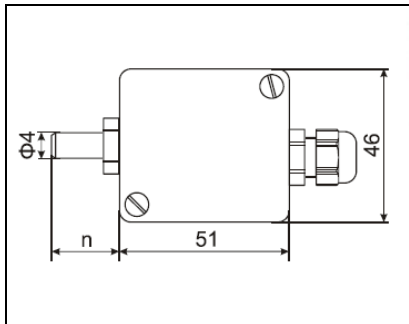
Steam diameter : 4mm length 20-60mm
 6mm length 60-200mm

Mounting : wall mount to IP66

Dimension : B 46 x H 51 + sensor x D30 mm

Weight : 150 g

MECHANICAL SPECIFICATION



ORDER INFORMATION

| TYPE | SENSOR | RANGE | LENGTH | ELEMENT |
|--------|-----------|--------------|------------|-----------|
| BTT503 | RD Pt100 | T10 -20-60C | G6 Specify | A Class A |
| BTS503 | RG Pt1000 | T17 -50-50C | | B Class B |
| | | T18 0-50C | | C 2xB |
| | | T19 0-100C | | |
| | | T12 -50-100C | | |
| | | TZ Specify | | |

BTS503 is without transmitter only sensor.



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OUTDOOR 2-wire temperature transmitter

BTT503

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