

# iTEMP TMT80

## Temperature head transmitter

Transformation of the sensor signals into stable and standardized output signal for all industries



### Benefits:

- 2-wire technology, 4 to 20 mA analog output
- Fault signal on sensor break or short circuit, presettable to NAMUR NE 43
- Meets the EMC requirements as per NAMUR NE 21
- Galvanic isolation 500 V (input/output)
- Application specific measuring range setting

### Specs at a glance

- **Accuracy** (Pt100, -50...250 °C)  $\leq 0,5$  K (Pt100, -58...482 °F)  $\leq 0,9$  °F

from **€42.00**

Price as of 28.05.2022

More information and current pricing:

[www.be.endress.com/TMT80](http://www.be.endress.com/TMT80)

**Field of application:** This transmitter is configurable and supports both selected resistance sensor types and thermocouples. In order to obtain the highest measurement precision, linearization characteristics for every type of sensor are stored in the transmitter. The standardized output signal used for process measurement is a 4 to 20 mA signal. This offers fast, easy and cost-saving temperature measuring and reliable measurement values for a wide range of non-ex industry applications.

## Features and specifications

Temperature transmitters

Measuring principle

Head transmitter

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**Temperature transmitters****Input**

1 x RTD, TC

**Output**

1 x analog 4...20 mA

**Auxiliary power supply**

8...35 V DC

**Communication**

PCP (pc-programmable)

**Installation**

Terminal head form B

**Accuracy**(Pt100, -50...250 °C)  $\leq 0,5$  K(Pt100, -58...482 °F)  $\leq 0,9$ 

°F

**Galvanic isolation**

yes

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