

# iTEMP TMT80 temperature transmitter

## 4-20 mA temperature head transmitter with one universal sensor input



### 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)  $\leq 0,5 \text{ K}$  (Pt100, -58...482 °F)  $\leq 0,9 \text{ °F}$

from **€62.00**

Price as of 16.12.2025

More information and current pricing:

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

#### Input

1 x RTD, TC

## Temperature transmitters

**Output**

1 x analog 4...20 mA

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**Auxiliary power supply**

8...35 V DC

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**Communication**

pc-programmable

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**Installation**

Terminal head form B

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**Accuracy**

(Pt100, -50...250 °C) ≤ 0,5 K

(Pt100, -58...482 °F) ≤ 0,9  
°F

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**Galvanic isolation**

yes

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