

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

from **€62.00**

Price as of 27.08.2025

More information and current pricing:

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

Auxiliary power supply8...35 V DC

Communicationpc-programmable

InstallationTerminal head form B

Accuracy

(Pt100, -50...250 °C) ≤ 0,5 K

(Pt100, -58...482 °F) ≤ 0,9
°F

Galvanic isolationyes

More information www.endress.com/TMT80