

iTEMP TMT127 temperature transmitter

4-20 mA temperature transmitter as DIN rail device with one RTD sensor input suitable for use in hazardous areas



Benefits:

- High accuracy in complete ambient temperature range
- Fault signal on sensor break or short circuit, NAMUR NE 43 compliant
- EMC as per NAMUR NE 21, CE
- Ex-Certification: ATEX Ex ia, FM IS, CSA IS
- UL recognized component to UL 3111-1
- Ship building approval GL
- Galvanic isolation

Specs at a glance

- **Accuracy** (Pt100, -50...200 °C) $\leq 0,2 \text{ K}$ (Pt100, -58...392 °F) $\leq 0,4 \text{ °F}$

from **€134.00**

Price as of 26.08.2025

More information and current pricing:

www.endress.com/TMT127

Field of application: The transmitter is designed for the transformation of an RTD Pt100 sensor signal in a fixed measuring range. The standardized output signal used for process measurement is a 4 to 20 mA signal. This means fast, easy and cost-saving temperature measuring as well as reliable and precise measured values for a wide range of industry applications. Installation is realized on DIN rail according to IEC 60715 (housing width: 22.5 mm).

Features and specifications

Temperature transmitters

Measuring principle

Rail transmitter

Temperature transmitters

Input

1 x analog RTD (Pt100)

Output

1 x analog 4...20 mA

Auxiliary power supply

12...35 V DC (standard-version)

12...30 V DC (Ex-version)

Installation

DIN-rail

Accuracy

(Pt100, -50...200 °C) $\leq 0,2$ K

(Pt100, -58...392 °F) $\leq 0,4$ °F

Galvanic isolation

yes

Certification

UL rec. Comp

marine approval

GOST Metrology

ATEX Ex ia, Ex nA

CSA IS, NI

CSA General Purpose

FM IS, NI

FM+CSA IS, NI

More information www.endress.com/TMT127