

iTEMP TMT127

DIN rail temperature transmitter

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



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) $\leq 0,2$ K (Pt100, -58...392 °F) $\leq 0,4$ °F

from **€93.00**

Price as of 22.09.2021

More information and current pricing:

www.at.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

Temperature transmitters

Certification

UL rec. Comp

marine approval

GOST Metrology

FM IS,NI,Class I,Div.1+2,Group ABCD

CSA IS,NI,Class I,Div.1+2,Group ABCD

ATEX II2(1)G Ex ia[ia Ga] IIC T6 Gb

ATEX II3G Ex nA IIC T6

FM+CSA IS,NI,Class I,Div.1+2,Group
ABCD

CSA General Purpose

NEPSI Ex ia IIC T4-T6

NEPSI Ex nA II T4-T6

More information www.at.endress.com/TMT127