iTEMP TMT187
Temperature head transmitter

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

from **CZK2,416.00**
Price as of 27.11.2021

More information and current pricing:
www.cz.endress.com/TMT187

Benefits:

- High accuracy in complete ambient temperature range
- Failure information when sensor breaks or short-circuits as per NAMUR NE 43
- EMC as per NAMUR NE 21, CE
- Ex approval: ATEX Ex ia and dust zone 22 in compliance with EN 50281-1; FM IS; CSA IS
- UL recognized component to UL 3111-1
- Marine approval
- Galvanic isolation

Specs at a glance

- **Accuracy** (Pt100, -50...200 °C) <= 0,2 K (Pt100, -58...392 °F) <= 0,4 °F

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 for a wide range of industry applications.

Features and specifications

Temperature transmitters

Measuring principle
Head transmitter

Temperature transmitters

Input
1 x RTD (Pt100)

Output
1 x analog 4...20 mA

Auxiliary power supply
8...35 V DC (standard-version)
8...30 V DC (Ex-version)

Installation
Terminal head form B

Accuracy
(Pt100, -50...200 °C) <= 0,2 K
(Pt100, -58...392 °F) <= 0,4 °F

Galvanic isolation
yes

Temperature transmitters

Certification

UL rec. Comp
UL Ex IS
UL Ex NI
GOST Ex i
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 II3G Ex nA IIC T4/T5/T6
ATEX II1G EEx ia IIC T4/T5/T6
ATEX II3D
ATEX II1G EEx ia IIC T6, II3D
ATEX II3G Ex nA II T6, II3D
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
GL (German Lloyd)

More information **www.cz.endress.com/TMT187**