

iTEMP TMT188

Temperature head transmitter

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



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** (Type K) $\leq 0,5$ K (Type K) $\leq 0,9$ °F

from **€78.00**

Price as of 12.05.2021

More information and current pricing:

www.endress.com/TMT188

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.

Features and specifications

Temperature transmitters

Measuring principle

Head transmitter

Temperature transmitters**Input**1 x TC

Output1 x analog 4...20 mA

Auxiliary power supply

8...35 V DC (standard-version)

8...30 V DC (Ex-version)

InstallationTerminal head form B

Accuracy(Type K) $\leq 0,5$ K(Type K) $\leq 0,9$ °F

Galvanic isolationyes

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 II1G EEx ia IIC T4/T5/T6

ATEX II3G Ex nA IIC T4/T5/T6

ATEX II3D

ATEX II1G EEx ia IIC T6, II3D

ATEX II3G Ex nA IICT6, 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)

Temperature transmitters

More information www.endress.com/TMT188