

# 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 **€83.00**

Price as of 16.04.2022

More information and current pricing:

[www.endress.com/TMT188](http://www.endress.com/TMT188)

**Field of application:** The transmitter is designed for the transformation of a thermocouple (TC) 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

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**Temperature transmitters****Input**1 x TC

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**Output**1 x analog 4...20 mA

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**Auxiliary power supply**

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

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

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**Installation**Terminal head form B

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

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**Galvanic isolation**yes

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## 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 IIC 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)

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More information [www.endress.com/TMT188](http://www.endress.com/TMT188)