

## iTEMP TMT142B HART<sup>®</sup> 7 temperature transmitter

Smart, rugged, innovative: New generation temperature field transmitter with Bluetooth<sup>®</sup>



Więcej informacji i aktualne ceny:

[www.pl.endress.com/TMT142B](http://www.pl.endress.com/TMT142B)

### Korzyści:

- Certified for use in hazardous areas as per international approvals: CSA (IS, NI, XP and DIP) and ATEX (Ex ia, Ex d and dust ignition-proof)
- Reliable, long-term stable and accurate temperature measurement even under harsh environmental conditions thanks to a pressure-encapsulated single-chamber housing and integrated overvoltage protection
- Bluetooth<sup>®</sup> interface: Save time and effort on commissioning, configuration and maintenance using the Endress+Hauser SmartBlue app
- Predictive maintenance with advanced diagnostic functions and condensed status notification according to NAMUR NE 107
- Newly developed backlit display with large digits for clear process information under all ambient conditions

### Kluczowe parametry

- **Błąd pomiaru** (Pt100, -50...200 °C)  $\leq 0,1$  K (Pt100, -58...392 °F)  $\leq 0,18$  °F

**Zastosowanie:** The single-channel iTEMP TMT142B transmitter with backlit display delivers highly reliable, accurate and long-term stable measurements in critical processes and hazardous areas. It offers **secure** remote operation via its integrated Bluetooth<sup>®</sup> interface ( **Endress+Hauser SmartBlue app** ), packaged in a robust single-chamber field housing. It converts inputs from resistance sensors (RTD), thermocouple (TC), resistances ( $\Omega$ ) and voltage transmitters (mV) to a 4 to 20 mA signal and **HART<sup>®</sup> 7 communication**.

### Funkcje i specyfikacja

## Przetworniki temperatury

### Zasada pomiaru

Field transmitter

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### Wejście

1 x RTD, TC, Ohm, mV

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### Wyjście

1 x analog 4...20 mA

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### Zasilanie pomocnicze

11...36 V DC (standard-version)

11...30 V DC (Ex-version)

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### Komunikacja

HART-protocol

Bluetooth® wireless technology

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### Montaż

in field

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### Błąd pomiaru

(Pt100, -50...200 °C)  $\leq 0,1$  K

(Pt100, -58...392 °F)  $\leq 0,18$  °F

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### Separacja galwaniczna

yes

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**Przetworniki temperatury****Certyfikaty**

ATEX II1G Ex ia IIC T6

ATEX II3G Ex ic IIC T6 Gc

ATEX II3D Ex tc IIIC Dc

ATEX II3G Ex nA IIC T6

ATEX IECEx II1G Ex ia IIC T6, II2D Ex ia IIIC

ATEX II3G Ex nA IIC T6, II3D

ATEX II2G Ex db IIC T6 Gb, II2D Ex tb IIIC  
Db

CSA C/US General Purpose

CSA C/US IS, NI I/1+2/A-D

CSA C/US XP, NI, DIP I, II, III/1+2/A-G

EAC Ex ia IIC T6 Ga

EAC Ex d IIC T6 Gb

IECEX Ex d T6 Gb, Ex tb IIIC Db

INMETRO Ex ia IIC T6 Ga

INMETRO Ex d T6 Gb, Ex tb IIIC Db

INMETRO Ex nA IIC T6 Gc

NEPSI Ex ia IIC T6 Ga

NEPSI Ex d IIC T6 Gb

NEPSI Ex nA II T6 Gc

ATEX IECEx II1G Ex ia IIC T6 Ga

ATEX IECEx II2D Ex tb IIIC Db

Przetworniki temperatury

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