

# iTEMP TMT31 head mount temperature transmitter

## Accurate and reliable process temperature measurements for RTD sensors



Дополнительная информация и актуальные цен:

[www.ru.endress.com/TMT31](http://www.ru.endress.com/TMT31)

### Преимущества:

- Push-in terminals for fast, tool-free wiring during installation or maintenance
- Simple parametrization via free software tools (requires FXA291 or TXU10)
- Transmitter-sensor matching using Callendar-Van Dusen linearization for critical measurement points
- Improved RTD measurement accuracy up to 0.1 K and long-term stability
- Diagnostics information according to NAMUR NE 107
- Ready-to-use: Factory pre-configured

### Краткие характеристики

- **Погрешность** (Pt100,Pt1000, -50...+250°C)  $\leq 0,1$  K  
(Pt100,Pt1000, -58...+482°F)  $\leq 0,18$  °F

**Назначение:** The iTEMP TMT31 is a reliable, long-term stable, single-channel 4 to 20 mA temperature transmitter for thermometers with terminal head Form B suited for use in Zone 2 / Div. 2 areas. Individual transmitter-sensor matching with Callendar-Van Dusen linearization further improves your temperature measurement accuracy for RTD sensors. Push-in terminals for quick wiring facilitate installation. The device is available pre-configured or can easily be parametrized using free software tools.

### Характеристики и спецификации

## Преобразователь температуры

### Принцип измерения

Встраиваемый преобразователь

### Вход

Pt100

Pt1000

### Выходные сигналы

1 x analog 4-20mA

### Напряжение питания

10...36 V DC

### Протокол

PC-programmable

### Монтаж

Terminal head form B

### Погрешность

(Pt100,Pt1000, -50...+250°C)  $\leq 0,1$  K

(Pt100,Pt1000, -58...+482°F)  $\leq 0,18$ °

F

### Гальваническая изоляция

no

### Взрывозащита

Non-hazardous area

ATEX

CSA

Non-hazardous area + EAC

Non-hazardous area + UK

ATEX + CSA

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