Easytemp TMR31 Compact thermometer

Compact, fast and precise for the measurement of process temperatures in common industries



from **€75.00** Price as of 26.04.2022

More information and current pricing: www.endress.com/TMR31

Benefits:

- Small, compact design made entirely of stainless steel
- Extremely short response times
- Highly accurate even with short insertion lengths
- 4-wire, Pt100 or PC-programmable transmitter with 4 to 20 mA output
- Configuration and visualization with ReadWin[®] 2000 PC operating software, which is free of charge
- Breakdown information in event of sensor break or sensor shortcircuit, adjustable as per NAMUR NE43
- Marine approval

Specs at a glance

- Accuracy class A acc. to IEC 60751
- Response time t50 = 1 s t90 = 2 s
- Max. process pressure (static) at 20 °C: 100 bar (1.450 psi)
- Operating temperature range PT 100: -50 °C ...200 °C (-58 °F ...392 °F)
- Max. immersion length on request up to 600,00 mm (23,62")

Field of application: With cost efficiency, optimal use of space, reliable operation, easy installation and commissioning the TMR31 fulfills the requirements of modern process measurement technology. Vibration-proof integrated thin-film sensors guarantee highest operational safety at the fastest response times.

Features and specifications

Endress+Hauser

Thermometer

Measuring principle Resistance Temperature Detector

Characteristic / Application metric style compact temperature probe fast response time threaded process connection with or without neck

Thermowell / protection tube without (not intended to use with thermowell)

Insert / probe

pipe version, isolated wires, not flexible

Outer diameter protection tube / Insert 4,00 mm (0,16")

6,00 mm (0,24")

Max. immersion length on request

up to 600,00 mm (23,62")

Material protection tube/ thermowell

1.4404 (316L)

Process connection

male thread: G1/4" G1/2" NPT1/4" NPT1/2" M14x1.5 M18x1.5 BSPT R1/2"

Tip shape straight

Thermometer

Surface roughness Ra

0,8 µm (32 µin.)

Operating temperature range PT 100: -50 °C ...200 °C (-58 °F ...392 °F)

Max. process pressure (static)

at 20 °C: 100 bar (1.450 psi)

Accuracy

class A acc. to IEC 60751

Response time

t50 = 1 s t90 = 2 s

Integration head transmitter

no (4...20mA Signal)

Certification

Marine approval UL 3111-1 EAC

More information www.endress.com/TMR31

