iTHERM ModuLine TM121 Industrial modular thermometer

Fundamental metric RTD/TC thermometer with welded thermowell for a wide range of industrial applications

from **€113.00**

Price as of 20.11.2024

More information and current pricing:

www.endress.com/TM121

Benefits:

- Economical, reliable measurement
- User-friendly from product selection to maintenance
- Wide range of process connections
- Easy and safe device setup and service using Bluetooth® communication

Specs at a glance

- **Accuracy** Class A acc. to IEC 60751 Class B acc. to IEC 60751 Class standard acc. to ASTM E230 Class 2 acc. to IEC 60584-2
- **Response time** t90 around 100 s depending on configuration
- **Max. process pressure (static)** depending on the configuration
- **Operating temperature range** Basic PT100 TF: -50 ℃ …200 ℃ (-58 ℉ …392 ℉) Typ K: max. 1.100 ℃ (max. 2.012 ℉)
- **Max. immersion length on request** up to 1.000,0 mm (39")

Field of application: RTD or TC assembly characterized by basic sensor technology, application in non-hazardous areas, standard extension neck, low-cost unit. The devices are available with optional Bluetooth®-enabled head transmitters with 4 to 20 mA output or HART® communication, providing enhanced measurement accuracy and reliability compared to directly wired sensors.

Features and specifications

Endress+Hauser

Thermometer

Measuring principle

Resistance Temperature Detector

Characteristic / Application

metric style
modular temperature assembly
universal range of application
with neck
incl. thermowell / protection tube
(metal)

Thermowell / protection tube

welded protection tube

Insert / probe

Basis Sensortechnologie

Outer diameter protection tube / Insert

Thermowell:
9x1,25 mm
11x2 mm

Max. immersion length on request

up to 1.000,0 mm (39")

Material protection tube/ thermowell

316L (1.4404)

Thermometer

Process connection

Thread:
G1/2"
NPT1/2"
M20x1.5, M27x2, M33x2
Compression fitting:
NPT1/2", G1/2", G1"
Flansche:
DN25 DN40 B1
ASME 1" 150 RF
ASME 1" 300 RF
ASME 1 1/2" 150 RF
ASME 2" 150 RF
ASME 2" 300 RF

Tip shape

straight

Operating temperature range

Basic PT100 TF:
-50 °C ...200 °C
(-58 °F ...392 °F)
Typ K:
max. 1.100 °C
(max. 2.012 °F)

Max. process pressure (static)

depending on the configuration

Accuracy

Class A acc. to IEC 60751
Class B acc. to IEC 60751
Class standard acc. to ASTM E230
Class 2 acc. to IEC 60584-2

Response time

t90 around 100 s
depending on configuration

Thermometer

Integration head transmitter
yes (4 … 20 mA; HART)

More information **www.endress.com/TM121**

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