

iTHERM TM401

Modular RTD thermometer - basic technology

For standard hygienic and aseptic applications in the Food & Beverages and Life Sciences industries



from **A\$110.00**

Price as of 05.08.2021

More information and current pricing:

www.au.endress.com/TM401

Benefits:

- Excellent value for money and fast delivery
- User-friendly and reliable from product selection to maintenance
- International certification: hygiene standards as per 3-A®, EHEDG, ASME BPE, FDA, TSE Certificate of Suitability
- Wide range of process connections

Specs at a glance

- **Accuracy** class A acc. to IEC 60751
- **Response time** depending on configuration
- **Max. process pressure (static)** at 20 °C: 40 bar (580 psi)
- **Operating temperature range** PT100: -50 °C ... 200 °C (-58 °F ... 392 °F)
- **Max. immersion length on request** up to 400 mm (15,75")

Field of application: This iTHERM thermometer has been designed to meet the basic requirements of the Food & Beverages and Life Sciences industries at the best price. It offers a variety of versions within a clearly segmented standard product. The result: Time and cost savings by simple and fast product selection. The device uses basic technology with features such as a fixed, non-replaceable insert, a wide range of process connections and international certification at an excellent value for money.

Features and specifications

Thermometer

Measuring principle

Resistance Temperature Detector

Characteristic / Application

metric style

hygienic applications

aseptic applications

hygienic process connections

with neck

Thermowell / protection tube

without (not intended to use with thermowell)

Insert / probe

without exchangeable insert

Outer diameter protection tube / Insert

6,0 mm (0,24")

8,0 mm (0,31")

Max. immersion length on request

up to 400 mm (15,75")

Material protection tube/ thermowell

316L

Thermometer**Process connection**

compression fitting

triclamp

microclamp

clamp connections acc. to ISO2852

Ingold

G3/4" Liquiphant

G1" Liquiphant

Varivent

SMS 1147

screwed pipe joint acc. to DIN 11851

Tip shape

straight

reduced

Surface roughness Ra

0,76 µm (30 µin)

0,38 µm (15 µin)

Operating temperature range

PT100:

-50 °C ... 200 °C

(-58 °F ... 392 °F)

Thermometer

Max. process pressure (static)

at 20 °C: 40 bar (580 psi)

Accuracy

class A acc. to IEC 60751

Response time

depending on configuration

Integration head transmitter

yes (4 ... 20 mA, HART)

Certification

SIL (transmitter only)

More information www.au.endress.com/TM401