

iTHERM TM402

Imperial Hygienic Thermometer, US style

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



from **€171.58**

Price as of 03.08.2021

More information and current pricing:

www.apsc.endress.com/TM402

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 15.5" (317,5mm)
others on request

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

imperial style

hygienic applications

aseptic applications

hygienic process connections

with neck

Thermowell / protection tubewithout (direct immersion)

Insert / probewithout exchangeable insert

Outer diameter protection tube / Insert

1/4" (6,35 mm)

3/8" (9,53 mm)

Max. immersion length on request

up to 15.5" (317,5mm)

others on request

Material protection tube/ thermowell316L

Thermometer**Process connection**

Triclamp

Clamp-connections according to
ISO2852

G3/4" Liquiphant

G1" Liquiphant

Varivent

Tip shape

straight

reduced

Surface roughness Ra

30 µin (0,76 µm)

15 µin (0,38 µm)

Operating temperature range

PT100:

-50 °C ... 200 °C

(-58 °F ... 392 °F)

Max. process pressure (static)

at 20 °C: 40 bar (580 psi)

Accuracy

class A acc. to IEC 60751

Response time

depending on configuration

Thermometer

Integration head transmitter

yes (4 ... 20 mA, HART)

Certification

SIL (transmitter only)

More information www.apsc.endress.com/TM402