iTHERM TM402
Imperial Hygienic Thermometer, US style

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

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

from **$207.51**
Price as of 02/03/2024

More information and current pricing: [www.us.endress.com/TM402](http://www.us.endress.com/TM402)
**Thermometer**

**Measuring principle**
Resistance Temperature Detector

**Characteristic / Application**
imperial style
hygienic applications
aseptic applications
hygienic process connections
with neck

**Thermowell / protection tube**
without (direct immersion)

**Insert / probe**
without 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/ thermowell**
316L

**Process connection**
Triclamp
Clamp-connections according to ISO2852
G3/4" Liquiphant
G1" Liquiphant
Varivent

**Tip shape**
straight
reduced
### Thermometer

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Surface roughness Ra</strong></td>
<td>30 μin (0,76 μm)</td>
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<tr>
<td></td>
<td>15 μin (0,38 μm)</td>
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<td><strong>Operating temperature range</strong></td>
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<td><strong>Integration head transmitter</strong></td>
<td>yes (4 ... 20 mA, HART)</td>
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<td><strong>Certification</strong></td>
<td>SIL (transmitter only)</td>
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