

## TA541

### Protection tube for temperature sensors

For use with resistance or thermocouple thermometers principally in heavy duty applications



Thông tin thêm và mức tính giá hiện tại:

[www.apsc.endress.com/TA541](http://www.apsc.endress.com/TA541)

#### Lợi ích:

- The stem shape can be straight or stepped for fast response time
- A wide choice of pipe sizes, materials and process connections is available
- Extension, immersion length and total length can be chosen according to process requirements
- The process connection can either be threaded or flanged weld
- Special versions can be manufactured according to specifications.
- The connection to the thermometer is a male thread.

#### Tổng quan về thông số kỹ thuật

- **Max. process pressure (static)** 150 bar (2176 psi)
- **Maximum standard immersion length** 4.000 mm (157,48")

**Phạm vi ứng dụng:** This device is a metallic protection tube with threaded or flanged welded process connection. Thermometer connection is a metric or male thread, sizes are depending on tube diameters. A wide range of flange sizes according to common standards and materials for this device is available. Ideally, this leads to a wide range of flexible installations in heavy duty applications.

#### Tín năng và thông số kỹ thuật

Thermowell

Measuring principle

Fabricated Thermowell

## Thermowell

**Characteristic / Application**

metric style

various process connections

round extension

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**Head connection**

external thread:

1/2" NPT

3/4" NPT

G1/2"

G3/4"

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**Maximum standard immersion****length**4.000 mm (157,48")

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## Thermowell

**Process connection**

thread:

1/2" NPT

3/4" NPT

1" NPT

M20x1,5

flange:

DN25 PN16 B1

DN25 PN40 B1

DN40 PN40 B1

DN50 PN40 B1

ASME 1" 150 RF

ASME 1" 300 RF

ASME 1" 600 RF

ASME 1 1/2" 150 RF

ASME 1 1/2" 300 RF

ASME 1 1/2" 600 RF

ASME 1 1/2" 600 RTJ

ASME 1 1/2" 600 RTJ

ASME 2" 300 RF

ASME 2" 600 RF

ASME 2" 300 RTJ

## Thermowell

**Thermowell root diameter**

1/2" SCH40

1/2" SCH80

3/4" SCH40

3/4" SCH80

**Medium contact material**

1.4401 (316)

**Wetted part finishing (Ra)**< 1.6  $\mu$ m (63.00  $\mu$ in)**Tip shape**

straight

reduced

**Temperature range**

-200...650 °C (-328...1.202 °F)

**Max. process pressure (static)**

150 bar (2176 psi)

**Max. process pressure at 400 °C**

depends on process connection

Thông tin bổ sung [www.apsc.endress.com/TA541](http://www.apsc.endress.com/TA541)