

TA535

Thermowell for temperature sensors

For use in general purpose industrial applications and processes generating medium to high stress



More information and current pricing:

www.endress.com/TA535

Benefits:

- Several types of process connections can be selected as standard
- Several outer diameters can be selected as standard
- Connections to the thermometer: ½" NPT, G ½" and M20x1.5 thread
- Made in SS 316L / 1.4404
- The material certification can be selected as standard

Specs at a glance

- **Max. process pressure (static)** 100 bar (1450 psi)
- **Maximum standard immersion length** 5.000 mm (196,85")
- **Max. immersion length on request** 10.000 mm (393,7")

Field of application: The thermowell with a hexagonal extension is employed in industrial applications which generate medium to high stress. For pipes or tanks that have threaded process connections. It can accommodate sensors with a diameter of 6 mm (0.24 in) and can also be used in combination with thermometers without a thermowell. It is available with NPT, gas and M20 connections (on thermometer and process sides).

Features and specifications

Thermowell

Measuring principle

Fabricated Thermowell

Thermowell

Characteristic / Application

metric style

threaded process connection

hexagonal extension

Head connection

internal thread:

1/2" NPT

3/4" NPT

M20x1.5

Maximum standard immersion**length**

5.000 mm (196,85")

Max. immersion length on request

10.000 mm (393,7")

Process connection

thread:

G1/2"

G3/4"

1/2"NPT

3/4" NPT

M20x1,5

Thermowell

Thermowell root diameter

9 mm (0,35")

10 mm (0,39")

12 mm (0,47")

Medium contact material

1.4404 (316L)

Wetted part finishing (Ra)< 1.6 μm (63.00 μin)**Tip shape**

straight

Temperature range

-200...650 °C (-328...1.202 °F)

Max. process pressure (static)

100 bar (1450 psi)

Max. process pressure at 400 °C

depends on process connection

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