

# TA535

## Thermowell for temperature sensors

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



### 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")

More information and current pricing:

[www.casc.endress.com/TA535](http://www.casc.endress.com/TA535)

**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

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**Head connection**

internal thread:  
1/2" NPT  
3/4" NPT  
M20x1.5

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**Maximum standard immersion length**

5.000 mm (196,85")

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**Max. immersion length on request**

10.000 mm (393,7")

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**Process connection**

thread:  
G1/2"  
G3/4"  
1/2"NPT  
3/4" NPT  
M20x1,5

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**Thermowell root diameter**

9 mm (0,35")  
10 mm (0,39")  
12 mm (0,47")

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**Medium contact material**

1.4404 (316L)

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**Wetted part finishing (Ra)**

< 1.6  $\mu\text{m}$  (63.00  $\mu\text{in}$ )

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**Tip shape**

straight

## Thermowell

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**Temperature range**

-200...650 °C (-328...1.202 °F)

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**Max. process pressure (static)**

100 bar (1450 psi)

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**Max. process pressure at 400 °C**

depends on process connection

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