

# Thermowell TA570



## Benefits:

- The thermowell stem shape is conical. The extension, the immersion and the tapering lengths can be chosen according to process requirements
- Wide choice of standard materials. Additional versions can be ordered according to specification
- Different grades of surface finishing available
- The process connection is welded

## Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 1000 mm (39,37")
- **Max. immersion length on request** 5.000 mm (196,85")

More information and current pricing:

[www.be.endress.com/TA570](http://www.be.endress.com/TA570)

**Field of application:** Due to the challenging process conditions by heavy duty applications the load capacity of a thermowell must be calculated exactly. Dye penetration tests, ultrasound test, helium leakage test, pressure endurance test as well as various, non-destructive material tests prove the quality of materials and processing.

## Features and specifications

### Thermowell

#### Measuring principle

#### Characteristic / Application

metric style  
weld-in process connections  
round extension

## Thermowell

**Head connection**

internal thread:

1/2" NPT

1/2" NPSM

G1/2"

**Maximum standard immersion****length**

1000 mm (39,37")

**Max. immersion length on request**

5.000 mm (196,85")

**Process connection**

to weld-in

**Thermowell root diameter**

25 mm (0,98")

**Medium contact material**

1.4401 (316)

1.4404 (316L)

1.4571 (316Ti)

1.4541 (321)

**Wetted part finishing (Ra)**< 0.8  $\mu\text{m}$  (31.50  $\mu\text{in}$ )< 1.6  $\mu\text{m}$  (63.00  $\mu\text{in}$ )**Tip shape**

straight

conical

conical tapered

**Temperature range**

-200...700 °C (-328...1.292 °F)

**Max. process pressure (static)**

500 bar (7252 psi)

Thermowell

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**Max. process pressure at 400 °C**  
300 bar (4351 psi)

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