

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.ca.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 μm (31.50 μin)< 1.6 μm (63.00 μin)**Tip shape**

straight

conical

conical tapered

Temperature range

-200...700 °C (-328...1.292 °F)

Max. process pressure (static)

500 bar (7252 psi)

Thermowell

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

More information www.ca.endress.com/TA570