TA566
Barstock thermowell

Made of drilled barstock material. Mainly used in heavy duty or general purpose applications.

More information and current pricing:
www.endress.com/TA566

Benefits:

- The extension, the immersion and the tapering lengths can be chosen according to process requirements
- A wide choice of standard diameters and materials is available; other versions can be ordered according to specification
- Different grades of surface finishing are also available
- The process connection is threaded. The thermowell stem shape can be straight or stepped for fast response time

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 900 mm (35,43")
- **Max. immersion length on request** 5.000 mm (196,85")

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
Bar stock Thermowell

Thermowell

Characteristic / Application
metric style

threaded process connection

hexagonal extension

Head connection
internal thread:

1/2" NPT

Maximum standard immersion length
900 mm (35,43")

Max. immersion length on request
5.000 mm (196,85")

Process connection
thread:

1" NPT

Thermowell root diameter
12,7 mm (1/2")

22 mm (0,87")

25 mm (0,98")

Medium contact material
1.4401 (316)

1.4404 (316L)

1.4571 (316Ti)

Thermowell

Wetted part finishing (Ra)
< 0.8 µm (31.50 µin)

< 1.6 µm (63.00 µin)

Tip shape
straight

conical

Temperature range
-200...700 °C (-328...1.292 °F)

Max. process pressure (static)
500 bar (7252 psi)

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

More information **www.endress.com/TA566**