TA565
Barstock thermowell

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

More information and current pricing:
www.endress.com/TA565

Benefits:

- The extension and the immersion length as well as the bar dimensions 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 conical

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 150 mm (5,91")
- **Max. immersion length on request** 300 mm (11,81")

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
150 mm (5,91")

Max. immersion length on request
300 mm (11,81")

Process connection
Thread 1" NPT

Thermowell root diameter
19,5 mm (0,78")
20 mm (0,79")
25 mm (0,98")
27 mm (1,06")

Medium contact material
1.4401 (316)
1.4404 (316L)
1.4571 (316Ti)

Wetted part finishing (Ra)
< 0,8 µm (31,50 µin)
< 1,6 µm (63,00 µin)

Tip shape
straight
conical

Thermowell

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/TA565**