

iTHERM ModuLine TT152

Barstock thermowell

Imperial thermowell for a wide range of heavy duty industrial applications



More information and current pricing:

www.endress.com/TT152

Benefits:

- **Easy maintenance and recalibration** of the thermometer (sensor can be replaced without interrupting the process)
- **iTHERM TwistWell with helical design:** reduces vortex-induced vibrations in high flow rate applications
- Customizable shaft, immersion, and overall length to meet specific process requirements
- Wide range of dimensions, materials and process connections available
- **International certification:** e.g. for pressure applications

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi) Depending on Configuration
- **Maximum standard immersion length** 84 in

Field of application: The thermowell iTHERM ModuLine TT152 is designed as per ASME B40.9 or as individual configuration. It is drilled and machined from solid bar stock, shielding temperature sensors from harsh environments.

Features and specifications

Thermowell

Measuring principle

Bar stock Thermowell

Characteristic / Application

imperial style

compliant according to ASME standard

Thermowell

Head connection

internal thread:
1/2" NPT

Maximum standard immersion length

84 in

Process connection

To be
threaded
weld in
with flange according to ASME

Thermowell root diameter

5/8...1-1/2 in

Medium contact material

Wide selection of materials including:

316/316L

304/304L

Alloy600

AlloyC276

A182 F22

A182 F11

A182 F91

A105

Duplex

PTFE coated

Tantalum sleeve

Wetted part finishing (Ra)

< 0.8 μm (31.50 μin)

< 1.6 μm (63.00 μin)

Thermowell**Tip shape**

Straight
Tapped
Stepped
partly tapped

Temperature range

-200...1100 °C (-328...2.012 °F)
Depending on Configuration

Max. process pressure (static)

500 bar (7252 psi)
Depending on Configuration

Max. process pressure at 400 °C

depends on process connection and
material

More information www.endress.com/TT152