

iTHERM ModuLine TT151

Bar stock thermowell for a wide range of heavy duty industrial applications



More information and current pricing:

www.ca.endress.com/TT151

Benefits:

- TT151 is an industry standard thermowell manufactured from round barstock
- Modular configuration according to DIN 43772 or ASME B40.9 or more flexible as universal version
- Extension, immersion length and total length can be chosen according to process requirements
- Wide range of dimensions, materials and process connections available

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi) Depending on Configuration
- **Maximum standard immersion length** 1500 mm

Field of application: The thermowell design is based on DIN43772 or ASME B40.9 and additionally it is available as a universal version that can be configured flexibly. The thermowell guarantees a good resistance to typical industrial processes. It comprises a full material bar stock with a root diameter from 9 to 50 mm. The tip can be straight, tapered or stepped. The thermowell can be fitted to a pipe or vessel in the system using a selection of commonly used flanged process connection, thread or weld-in versions.

Features and specifications

Thermowell

Measuring principle

Bar stock Thermowell

Thermowell**Characteristic / Application**

metric style
compliant according to ASME or DIN
standard
universal use

Head connection

internal thread:

M14x1,5

M18x1,5

M20x1,5

M27x1,5

1/2" NPT

1/2" NPSM

1/2" NPSC

G1/2"

G2/3"

Maximum standard immersion length

1500 mm

Process connection

To be

threaded

weld in

with flange according to ASME or EN or ISO

Thermowell root diameter

9...50 mm

Thermowell**Medium contact material**

Wide selection of materials including:

316
316L
316Ti
347
310
Alloy600
AlloyC276
10CrMo9-10
13CrMo4-5
16Mo3
A105
C22.8
Duplex
Titan Gr.2

Wetted part finishing (Ra)

< 0.8 μm (31.50 μin)
< 1.6 μm (63.00 μin)
DIN Standard

Tip shape

Straight
Tapered
Stepped
partly tapered

Temperature range

-200...1100 $^{\circ}\text{C}$ (-328...2.012 $^{\circ}\text{F}$)
Depending on Configuration

Max. process pressure (static)

500 bar (7252 psi)
Depending on Configuration

Max. process pressure at 400 $^{\circ}\text{C}$

depends on process connection and material

Thermowell

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