

## iTHERM ModuLine TT151

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



More information and current pricing:

[www.at.endress.com/TT151](http://www.at.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****Thermowell root diameter**9...50 mm

---

**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

---

## Thermowell

**Wetted part finishing (Ra)**< 0.8  $\mu\text{m}$  (31.50  $\mu\text{in}$ )< 1.6  $\mu\text{m}$  (63.00  $\mu\text{in}$ )

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

More information [www.at.endress.com/TT151](http://www.at.endress.com/TT151)