

# TU51 Weld-in barstock thermowell, US style

## Thermowell with weld-in process connections and round extension



More information and current pricing:

[www.apsc.endress.com/TU51](http://www.apsc.endress.com/TU51)

### Benefits:

- Extension, immersion length and total length can be chosen according to process requirements
- Modular configuration enable a use in all industrial processes with severe thermal and mechanical stresses
- Fast response time with conical tip form

### Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 24"

**Field of application:** The robust thermowell is designed for use in demanding and safety relevant applications e.g. in the Chemical, Oil & Gas and Energy industry. Harsh environments, corrosive substances and highest pressures can be handled by the use of robust protection tubes and special materials.

## Features and specifications

### Thermowell

#### Measuring principle

Bar stock Thermowell

#### Characteristic / Application

US-style

weld-in process connections

Thermowell

**Head connection**  
internal thread:

1/2" NPT

**Maximum standard immersion length**

24"

**Process connection**

weld-in

**Thermowell root diameter**

1.050"

1.315"

**Medium contact material**

316/ 316L

others on request

**Wetted part finishing (Ra)**

32 µin (0.80 µin)

**Tip shape**

tapered

**Temperature range**

-200...700 °C (-328...1.292 °F)

**Max. process pressure (static)**

500 bar (7252 psi)

**Max. process pressure at 400 °C**

depends on configuration

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