

TU51 Weld-in barstock thermowell, US style

Thermowell with weld-in process connections and round extension



More information and current pricing:

www.be.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

More information www.be.endress.com/TU51