

TU53 Threaded barstock thermowell, US style

Thermowell with threaded process connections and hexagonal extension



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 or stepped tip form

Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 24"
- **Max. immersion length on request** Not defined

More information and current pricing:

www.endress.com/TU53

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

threaded process connections

Thermowell

Head connection

internal thread:
1/2" NPT

Maximum standard immersion length

24"

Max. immersion length on request

Not defined

Process connection

threads:
1/2" NPT
3/4" NPT
1" NPT

Thermowell root diameter

5/8"
3/4"
7/8"
1 1/16"

Medium contact material

316/ 316L
others on request

Wetted part finishing (Ra)

32 µin (0.80 µin)

Tip shape

straight
tapered
stepped

Temperature range

-200...700 °C (-328...1.292 °F)

Thermowell

Max. process pressure (static)

500 bar (7252 psi)

Max. process pressure at 400 °C

depends on configuration

More information www.endress.com/TU53