

TA414

Protection tube for temperature sensors

For use in medium duty general applications, mainly to protect the insert from chemical corrosion



Benefits:

- TA414 is used to match RTD thermometers, as TST414, to protect the probe from chemical corrosion
- The locking screw fastens the thermometer in place and allows an easy replacement of the thermometer
- Due to the reduced wall thickness, it is suggested to use TA414 in processes where no strong flow is present

Specs at a glance

- **Max. process pressure (static)** 50 bar (725 psi)
- **Maximum standard immersion length** 4.000 mm (157,48")
- **Max. immersion length on request** 10.000 mm (393,7")

More information and current pricing:

www.endress.com/TA414

Field of application: The protection tube is used to match RTD thermometers, such as TST414 from Endress+Hauser, to protect the insert from chemical corrosion. It has a locking screw to fasten the thermometer in place and allows an easy replacement of the thermometer. Due to the reduced wall thickness, it is suggested to use it in processes with slow or medium process flow velocity.

Features and specifications

Thermowell

Measuring principle

Fabricated Thermowell

Thermowell

Characteristic / Application

metric style

thermopocket for TST 414

threaded process connection

Head connection

fixed screw

Maximum standard immersion length

4.000 mm (157,48")

Max. immersion length on request

10.000 mm (393,7")

Process connection

thread:

G1/2"

Thermowell root diameter

4,5 mm (0,18")

Medium contact material

1.4571 (316Ti)

Wetted part finishing (Ra)

<1.6 µm (63.00 µin)

Tip shape

straight

Temperature range

-200...700 °C (-328...1.292 °F)

Max. process pressure (static)

50 bar (725 psi)

Thermowell

Max. process pressure at 400 °C
depends on process connection

More information www.endress.com/TA414