

TWF11

Protection tube for high temperature assemblies

For steel treatment, concrete furnaces and primaries with very high process temperatures



Benefits:

- Long lifetime by usage of innovative protection tube materials with increased wear and chemical resistance
- Long term stable measurement due to sensor protection with non-porous materials
- Replaceable parts

Specs at a glance

- **Max. process pressure (static)** 1 bar (15 psi)
- **Maximum standard immersion length** 1.500 mm (59,06")
- **Max. immersion length on request** 4.000 mm (157,48")

More information and current pricing:

www.endress.com/TWF11

Field of application: Measuring points with extremely high process temperatures require these special ceramic protection tubes. Made from special materials, it serves as protection from mechanical and chemical damages in the process and increases the life span of the used sensors. This leads to: Cost savings for maintenance of the measuring point, quality improvements of the products and increased plant safety. It is designed as replacement part for the high temperature TC thermometer TAF11 by Endress+Hauser.

Features and specifications

Thermowell

Measuring principle

Fabricated Thermowell

Thermowell

Characteristic / Application

metric style
Fabricated from segments
ceramic protection tube
process connection as compression
fitting
Replacement part for TAF11

Head connection

M24 x 1,5
groove for DIN A Head

Maximum standard immersion length

1.500 mm (59,06")

Max. immersion length on request

4.000 mm (157,48")

Process connection

compression fitting:
G3/4"
G1"
G1 1/2"
adjustable Flange

Thermowell root diameter

14,0 mm (0,55")
16,0 mm (0,59")
17,0 mm (0,68")
22,0 mm (0,87")
24,0 mm (0,94")
26,6 mm (1,05")

Medium contact material

Ceramic (C610)
silicon nitride ceramic (SiN)
sintered silicon carbide (SiC)

Thermowell

Tip shape

straight

Temperature range

-50...1650 °C (-58...3.002 °F)

Max. process pressure (static)

1 bar (15 psi)

More information www.endress.com/TWF11