

TWF16

Protection tube for high temperature assemblies

For processes with high process temperatures like cement production, steel treatment, incinerators



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** 2.200 mm (86,61")
- **Max. immersion length on request** 4.525 mm (178,15")

More information and current pricing:

www.ch.endress.com/TWF16

Field of application: Measuring points with extremely high process temperatures require these special ceramic or metal protection tubes made from special materials. They protect 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 specially designed as replacement part for the high temperature TC thermometer TAF16 by Endress+Hauser.

Features and specifications

Thermowell

Measuring principle

Fabricated Thermowell

Thermowell

Characteristic / Application

metric style
Fabricated from segments
welded protection tube
ceramic protection tube
process connection as compression
fitting
Replacement part for TAF16

Head connection

M24 x 1,5
groove for DIN A Head

Maximum standard immersion length

2.200 mm (86,61")

Max. immersion length on request

4.525 mm (178,15")

Process connection

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

Thermowell root diameter

14,0 mm (0,55")
15,0 mm (0,59")
17,2 mm (0,68")
18,0 mm (0,71")
21,3 mm (0,84")
22,0 mm (0,87")
26,7 mm (1,05")
28,0 mm (1,10")

Thermowell

Medium contact material

1.4401 (316)
1.4749 (~446)
1.4841 (310)
Alloy 600 (2.4816)
Alloy 601 (2.4851)
Incoloy 800HT (1.4959)
Kanthal AF
Kanthal Super
NiCo
Siliciumnitrid(SiN)

Tip shape

straight

Temperature range

-200...1700 °C (-328...3.092 °F)

Max. process pressure (static)

1 bar (15 psi)

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