



SNÍMAČE TEPLOTY TR10-F

Série TR10-F

TR10F-14369107

Snímač teploty PT100 3-tråd -50-500°C 250x9 DN25
form2F

- PT100, PT1000
- Teplota -196 až 600°C
- Připojení příruba
- Média voda, plyny, oleje
- ATEX, IECEx, SIL2, GOST

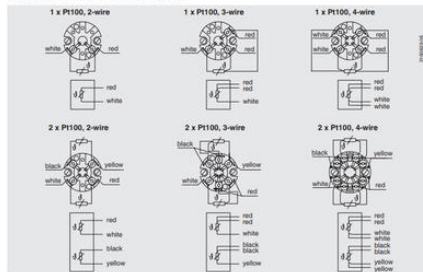


POPIS PRODUKTU

SPECIFIKACE

Délka	340 mm
Insertion length	250 mm
Inside diameter	7 mm
Materiál kontaktní části	Nerez ocel 316Ti
Materiál těla	Hliník
Neck length	0,065 m
Plug diameter	9 mm
Provozní teplota max.	500 °C
Provozní teplota min.	-50 °C
Teplota okolí do	80 °C
Teplota okolí od	-40 °C
Tlaková odolnost	16 bar
Třída krytí	IP65

Electrical connection (colour code per IEC-EN 60751)



Cable entry



The pictures show examples of connection heads.

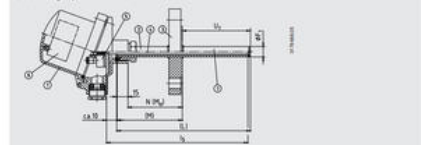
Cable entry	Cable entry thread size
Standard cable entry ¹⁾	M20 x 1.5 or 1/2 NPT
Plastic cable gland (cable Ø 8 ... 18 mm) ¹⁾	M20 x 1.5 or 1/2 NPT
Nickel-plated brass cable gland (cable Ø 8 ... 12 mm)	M20 x 1.5 or 1/2 NPT
Stainless steel cable gland (cable Ø 7 ... 12 mm)	M20 x 1.5 or 1/2 NPT
Plain threaded	2 x M20 x 1.5 ¹⁾
2 x M20 x 1.5 ¹⁾	M20 x 1.5
Junction box M12 x 1 (4-pin) ¹⁾	M20 x 1.5 or 1/2 NPT
Sealing plug for transport	M20 x 1.5 or 1/2 NPT

Model	Material	Cable entry thread size	Ingress protection (IP)	Cap	Surface	Connection to neck tube
BS	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP68, IP69	Flat cap with 2 screws	Black, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BS2	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP68, IP69	Spherical hinged cover with cylinder head screw	Black, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BS2-H	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP68, IP69	Raised hinged cover with cylinder head screw	Black, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BS2-H (2x cable outlet)	Aluminum	2 x M20 x 1.5 or 2 x 1/2 NPT ¹⁾	IP68, IP69	Raised hinged cover with cylinder head screw	Black, lacquered ¹⁾	M24 x 1.5
BS2-H / D0110 ¹⁾	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP68	Raised hinged cover with cylinder head screw	Black, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BS5	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP68	Spherical hinged cover with clamping lever	Black, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BS5-H	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP68	Raised hinged cover with clamping lever	Black, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BVS	Stainless steel	M20 x 1.5 ¹⁾	IP68	Precision-rolled screw-on lid	Black, electropolished	M24 x 1.5
BS2-A	Plastic	M20 x 1.5 or 1/2 NPT ¹⁾	IP68	Spherical hinged cover with cylinder head screw	Black, electropolished	M24 x 1.5
BS2-HK	Plastic	M20 x 1.5 or 1/2 NPT ¹⁾	IP68	Raised hinged cover with cylinder head screw	Black	M24 x 1.5

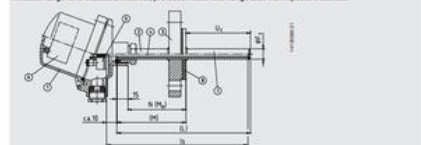
Model	Explosion protection				
	Without	Ex i (gas) Zone 0, 1, 2	Ex i (dust) Zone 20, 21, 22	Ex nA (gas) Zone 2	Ex tc (dust) Zone 22
BS	x	x	-	-	-
BS2	x	x	x	x	x
BS2-H	x	x	x	x	x
BS2-H (2x cable outlet)	x	x	x	x	x
BS2-H / D0110 ¹⁾	x	x	-	-	-
BS5	x	x	-	-	-
BS5-H	x	x	-	-	-
BVS	x	x	-	-	-
BS2-A	x	x	-	-	-
BS2-HK	x	x	-	-	-

Components model TR10-F

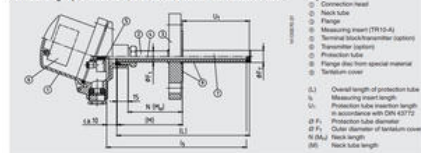
Version: flanged protection tube from standard material



Version: flange form standard material, protection tube and flange disc from special materials



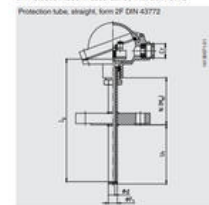
Version: flanged protection tube from standard material with tantalum cover



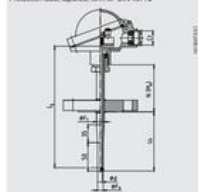
Protection tube

Protection tube designs

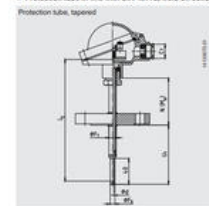
Protection tube in accordance with DIN 43772



Protection tube, tapered, form 3F DIN 43772



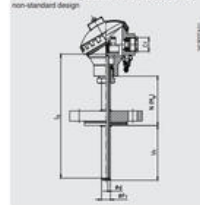
Protection tube in line with DIN 43772, weld-on solid tip



Legend:
L1: Insertion length
L2: Measuring insert length
L3: Back length
L4: Overall length of protection tube
L5: Thread cable entry
L6: Protection tube diameter
D1: Diameter of protection tube tip
D2: Outer diameter of tantalum cover
D3: Outer length of protection tube
D4: Measuring insert diameter

Protection tube in line with DIN 43772, welded parts from special material, gilder flange: stainless steel

Protection tube, straight, in line with form 3F DIN 43772, non-standard design



Protection tube in line with DIN 43772, tantalum cover with tantalum flange disc, carrier protection tube: stainless steel



Protection tube, tapered, in line with form 3F DIN 43772, non-standard design



Legend:
L1: Insertion length
L2: Measuring insert length
L3: Back length
L4: Overall length of protection tube
L5: Thread cable entry
L6: Protection tube diameter
D1: Diameter of protection tube tip
D2: Outer diameter of tantalum cover
D3: Outer length of protection tube
D4: Measuring insert diameter

The pictures show examples of connection heads.

Protection tube designs in accordance with DIN 43772

Protection tube	Material	Protection tube Ø	Suitable for measuring insert Ø	Connection to head
Straight, form 3F DIN 43772	Stainless steel 1.4571	9 x 1 mm 11 x 2 mm 12 x 2.5 mm 14 x 2.5 mm	6 mm	M24 x 1.5 (rotatable threaded connection, male nut)
Tapered, form 3F DIN 43772	Stainless steel 1.4571	12 x 2.5 mm, tapered to 6 mm	6 mm	

Protection tube designs in line with DIN 43772, weld-on solid tip

Protection tube	Material	Protection tube Ø	Suitable for measuring insert Ø	Connection to head
Tapered, weld-on solid tip, in line with DIN 43772, non-standard design	Stainless steel 1.4571	8 x 1 mm, tapered to 6 mm 11 x 2 mm, tapered to 6 mm 12 x 2.5 mm, tapered to 6 mm	3 mm	M24 x 1.5 (rotatable threaded connection, male nut)

Protection tube designs in line with DIN 43772, welded parts: special material, gilder flange: stainless steel

Protection tube	Material	Protection tube Ø	Suitable for measuring insert Ø	Connection to head
Straight, in line with form 3F DIN 43772, non-standard design	2.4360 (MonelK50) / stainless steel 2.4819 (Inconel600) / stainless steel 2.4610 (Inconel600) / stainless steel 2.7005 (Titan Grade 2) / stainless steel	13.7 x 2.2 mm	6 mm with sleeve Ø 6 mm / 8 mm	M24 x 1.5 (rotatable threaded connection, male nut)

Protection tube designs in line with DIN 43772, tantalum cover with tantalum flange disc, carrier protection tube: stainless steel

Protection tube	Material	Protection tube Ø	Suitable for measuring insert Ø	Connection to head
Straight, in line with form 3F DIN 43772, non-standard design	Tantalum / stainless steel	11 x 2 mm, tantalum cover 12 x 0.4 mm 15 x 3 mm, tantalum cover 18 x 0.4 mm	6 mm 6 mm with sleeve Ø 6 mm / 8 mm	M24 x 1.5 (rotatable threaded connection, male nut)
Tapered, in line with form 3F DIN 43772, non-standard design	Tantalum / stainless steel	12 x 2.5 mm, tantalum cover 13 x 0.4 mm	6 mm	