



SNÍMAČE TEPLOTY

Séria TC10-B

TC10B-14365198

Typ K -40-1200°C 150x6mm G1/2" NL=50mm



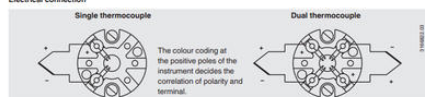
- Termočlánky K, J, E, N, T
- Teplota -40 až 1200°C
- Pripojenie M, NPT
- Médiá voda, plyny, oleje
- ATEX, IECEx, SIL2, DNV GL

PRODUCT DESCRIPTION

SPECIFICATIONS

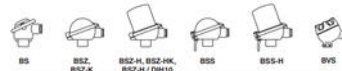
Insertion length	150 mm
Material Sensor Body	Nerezová oceľ 316Ti
Materiál tela	Hliník
Neck length	0,05 m
Plug diameter	6 mm
Prevádzková teplota max.	1200 °C
Prevádzková teplota min.	-40 °C
Teplota okolia do	80 °C
Teplota okolia od	-40 °C
Trieda krytia	IP65

Electrical connection



Connection head

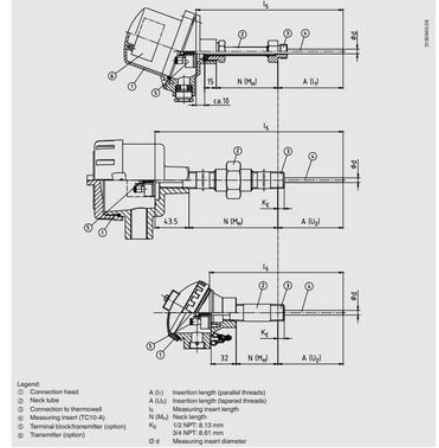
■ European designs per EN 50446 / DIN 43735



Model	Material	Cable entry thread size	Ingress protection (max. 3)	Cap	Surface	Connection to neck tube
BS	Aluminum	M20 x 1.5 or 1/2 NPT	IP65, IP68	Flat cap with 2 screws	Blue, lacquered	M24 x 1.5, 1/2 NPT
BS2	Aluminum	M20 x 1.5 or 1/2 NPT	IP65, IP68	Spherical hinged cover with cylinder head screw	Blue, lacquered	M24 x 1.5, 1/2 NPT
BS2-H	Aluminum	M20 x 1.5 or 1/2 NPT	IP65, IP68	Raised hinged cover with cylinder head screw	Blue, lacquered	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	IP65, IP68	Raised hinged cover with cylinder head screw	Blue, lacquered	M24 x 1.5
BS2-H/DN10	Aluminum	M20 x 1.5 or 1/2 NPT	IP65	Raised hinged cover with cylinder head screw	Blue, lacquered	M24 x 1.5, 1/2 NPT
BS5	Aluminum	M20 x 1.5 or 1/2 NPT	IP65	Spherical hinged cover with clamping lever	Blue, lacquered	M24 x 1.5, 1/2 NPT
BS5-H	Aluminum	M20 x 1.5 or 1/2 NPT	IP65	Raised hinged cover with clamping lever	Blue, lacquered	M24 x 1.5, 1/2 NPT
BV5	Stainless steel	M20 x 1.5 3"	IP65	Precision-cast screw on 32	Blank, electropolished	M24 x 1.5
BS2-K	Plastic	M20 x 1.5 or 1/2 NPT	IP65	Spherical hinged cover with cylinder head screw	Black	M24 x 1.5
BS2-HK	Plastic	M20 x 1.5 or 1/2 NPT	IP65	Raised hinged cover with cylinder head screw	Black	M24 x 1.5

Model	Explosion protection	Ex i (gas)	Ex i (dust)	Ex nA (gas)	Ex nC (dust)
BS	Without	Zone 0, 1, 2	Zone 20, 21, 22	Zone 2	Zone 22
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/DN10	X	X	X	X	X
BS5	X	X	X	X	X
BS5-H	X	X	X	X	X
BV5	X	X	X	X	X
BS2-K	X	X	X	X	X
BS2-HK	X	X	X	X	X

Fig. with parallel thread, for tapered thread see "Connection to thermowell"

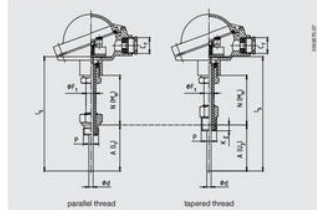


Legend:
 ① Connection head
 ② Neck tube
 ③ Connection to thermowell
 ④ Measuring insert (TC10-A)
 ⑤ Terminal block/transmitter (optional)
 ⑥ Transmitter (optional)

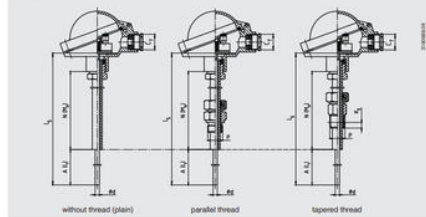
A (p.) Insertion length (parallel threads)
 A (t.) Insertion length (tapered threads)
 l₁ Measuring insert length
 N (p.) Neck length
 N₁ 1/2 NPT: 6.35 mm
 3/4 NPT: 8.61 mm
 Ø d Measuring insert diameter

Neck tube design

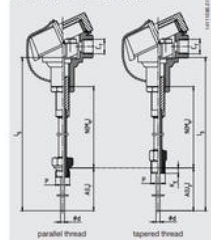
Neck tube per DIN 43772



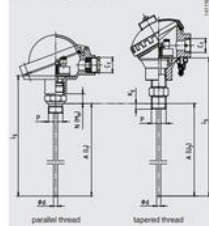
Neck tube per DIN 43772, straight, with/without compression fitting



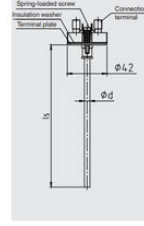
Neck tube, with counter nut to head



Double threaded hex bushing (with hexagonal spanner flats)



Spring-loaded screw



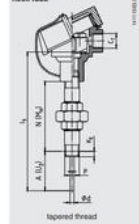
Design prepared for transmitter mounting



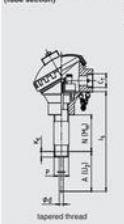
Design with mounted transmitter



"Ripple union-ripple" neck tube



Double threaded hex bushing (tube section)



Without neck tube

