



SNÍMAČE TEPLOTY TR10-B

Série TR10-B

TR10B-14364745

Snímač teploty PT100 2-tržď -50-500°C 150x6mm G1/2
NL=50mm

- PT100, PT1000
- Teplota -196 až 600°C
- Připojení M, NPT
- Média voda, plyny, oleje
- ATEX, IECEx, SIL2, DNV GL

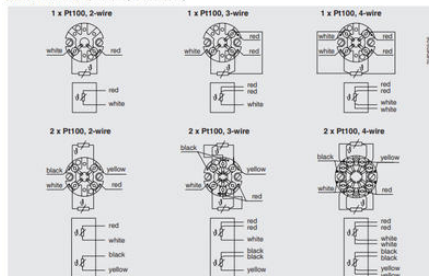


POPIS PRODUKTU

SPECIFIKACE

Insertion length	150 mm
Materiál kontaktní části	Nerez ocel 316Ti
Materiál těla	Hliník
Neck length	0,05 m
Plug diameter	6 mm
Provozní teplota max.	500 °C
Provozní teplota min.	-50 °C
Teplota okolí do	80 °C
Teplota okolí od	-40 °C
Třída krytí	IP65

Electrical connection (colour code per IEC/EN 60751)



Connection head

* European designs per EN 50446 / DIN 43725

Model	Material	Cable entry thread size	Ingress protection (max.)	Cap	Surface	Connection to neck tube
B5	Aluminium	M20 x 1.5 or 1/2 NPT	IP65, IP68	Flat cap with 2 screws	Blue, lacquered	M24 x 1.5, 1/2 NPT
B5Z	Aluminium	M20 x 1.5 or 1/2 NPT	IP65, IP68	Spherical fanged cover with cylinder head screw	Blue, lacquered	M24 x 1.5, 1/2 NPT
B5Z-H	Aluminium	M20 x 1.5 or 1/2 NPT	IP65, IP68	Paired fanged cover with cylinder head screw	Blue, lacquered	M24 x 1.5, 1/2 NPT
B5Z-H / DIN10	Aluminium	2 x M20 x 1.5 or 2 x 1/2 NPT	IP65, IP68	Paired fanged cover with cylinder head screw	Blue, lacquered	M24 x 1.5
B5S	Aluminium	M20 x 1.5 or 1/2 NPT	IP65	Paired fanged cover with clamping lever	Blue, lacquered	M24 x 1.5, 1/2 NPT
B5S-H	Aluminium	M20 x 1.5 or 1/2 NPT	IP65	Paired fanged cover with clamping lever	Blue, lacquered	M24 x 1.5, 1/2 NPT
B5S	Stainless steel	M20 x 1.5	IP65	Precision-cast screw cap	Black, electropolished	M24 x 1.5
B5Z-K	Plastic	M20 x 1.5 or 1/2 NPT	IP65	Spherical fanged cover with cylinder head screw	Black	M24 x 1.5
B5Z-HK	Plastic	M20 x 1.5 or 1/2 NPT	IP65	Paired fanged cover with cylinder head screw	Black	M24 x 1.5

Model	Explosion protection	Ex I (gas) Zone 0, 1, 2	Ex I (dust) Zone 20, 21, 22	Ex II (gas) Zone 1, 2	Ex II (dust) Zone 22
B5	X	X	X	X	X
B5Z	X	X	X	X	X
B5Z-H	X	X	X	X	X
B5Z-H / DIN10	X	X	X	X	X
B5S	X	X	X	X	X
B5S-H	X	X	X	X	X
B5S	X	X	X	X	X
B5Z-K	X	X	X	X	X
B5Z-HK	X	X	X	X	X

Cable entry



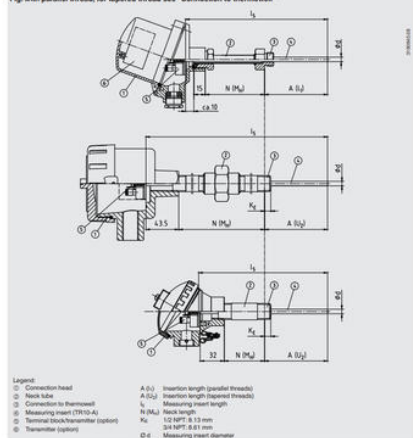
The pictures show examples of connection heads.

Cable entry	Cable entry thread size
Standard cable entry	M20 x 1.5 or 1/2 NPT
Plastic cable gland (cable Ø 6 ... 10 mm)	M20 x 1.5 or 1/2 NPT
Nickel-plated brass cable gland (cable Ø 6 ... 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	M20 x 1.5 or 1/2 NPT
2 x plain threaded	2 x M20 x 1.5 or 2 x 1/2 NPT
Junction box M12 x 1 (4-pin)	M20 x 1.5
Sealing plugs for transport	M20 x 1.5 or 1/2 NPT

Cable entry	Colour	Ingress protection (max.)	Min./max. ambient temperature	Explosion protection (max.)	Ex I (gas) Zone 0, 1, 2	Ex I (dust) Zone 20, 21, 22	Ex II (gas) Zone 1, 2	Ex II (dust) Zone 22
Standard cable entry	Black	IP65	-40 ... +80 °C	X	X	X	X	X
Plastic cable gland	Black or grey	IP65, IP68	-40 ... +80 °C	X	X	X	X	X
Plastic cable gland, Ex	Light blue	IP65, IP68	-20 ... +80 °C (standard) -40 ... +70 °C (option)	X	X	X	X	X
Plastic cable gland, Ex	Black	IP65, IP68	-20 ... +80 °C (standard) -40 ... +70 °C (option)	X	X	X	X	X
Nickel-plated brass cable gland	Black	IP65, IP68	-40 ... +80 °C	X	X	X	X	X
Nickel-plated brass cable gland, Ex	Black	IP65, IP68	-40 ... +80 °C	X	X	X	X	X
Stainless steel cable gland	Black	IP65, IP68	-40 ... +80 °C	X	X	X	X	X
Stainless steel cable gland, Ex	Black	IP65, IP68	-40 ... +80 °C	X	X	X	X	X
Plain threaded	X	IP50	-	X	X	X	X	X
2 x plain threaded	X	IP50	-	X	X	X	X	X
Junction box M12 x 1 (4-pin)	X	IP65	-40 ... +80 °C	X	X	X	X	X
Sealing plugs for transport	Transparent	-	-40 ... +80 °C	Not applicable, transport protection	-	-	-	-

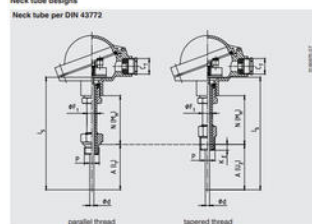
Components model TR10-B

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

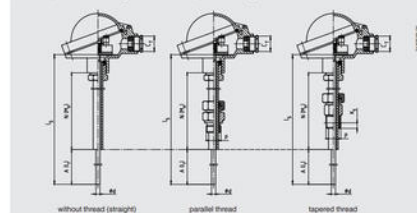


Neck tube

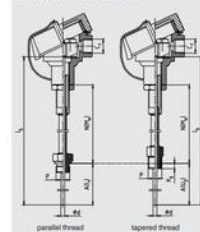
Neck tube designs



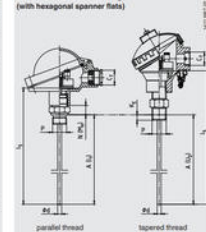
Neck tube per DIN 43772, straight, with/without compression fitting



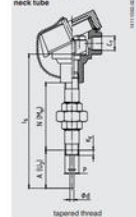
Neck tube, with counter nut to head



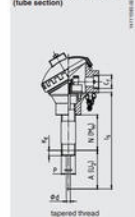
Double threaded hex bushing (with hexagonal spanner flats)



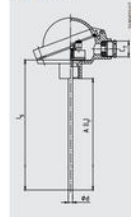
"Nipple-union-nipple" neck tube



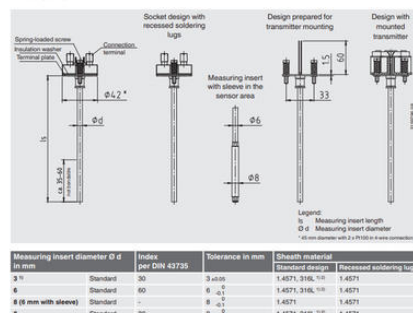
Double threaded hex bushing (tube section)



Without neck tube



Dimensions in mm



Thermowell selection

