



MODSTANDSFØLER TIL SEPARAT DYKLOMME

Serie TR10-B

TR10B-14364745
PT100 2-tråd -50-500°C 150x6mm G1/2 NL=50mm

- Måleområde fra -196 til 600°C
- Udskiftelig måleindsats
- Halslængde fra 30mm og op
- PT100 eller PT1000
- Option: SIL2 og ATEX



PRODUKTBESKRIVELSE

Serie TR10-B fra WIKAI er en modstandsføler, der er lavet til at kombineres med dyklomme. Sensoren leveres med et halsrør i enhver længde, hvilket giver et mere robust design til sensoren, når det monteres med dyklommen.

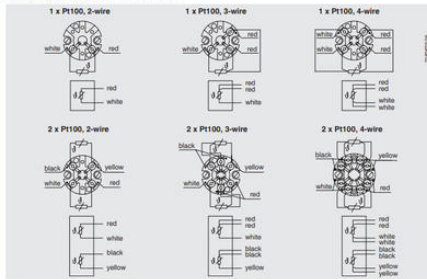
En bredt udvalg af længder, måleområder og tilslutningshoveder er tilgængelige, hvilket betyder, at sensoren kan tilpasses til alle dyklommer og applikationer på markedet.

Som option kan vi indsætte en af WIKAIAs transmittere i målehovedet for at få et analogt 4-20mA udgangssignal.

SPECIFIKATIONER

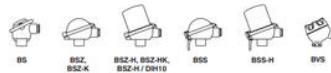
Indstikslængde	150 mm
IP-klasse	IP65
Materiale hus	Aluminium
Materiale medieberørte del	Rustfrit stål 316Ti
Neck length	0,05 m
Omgivelsestemperatur fra	-40 °C
Omgivelsestemperatur til	80 °C
Plug diameter	6 mm
Temperaturområde fra	-50 °C
Temperaturområde til	500 °C

Electrical connection (colour code per IEC-EN 60751)



Connection head

■ European designs per EN 50466 / DIN 43725



Model	Material	Cable entry thread size	Ingress protection (max.)	Cap	Surface	Connection to neck tube
BS	Aluminium	M20 x 1.5 or 1/2 NPT ¹⁾	IP65, IP68	Flat cap with 2 screws	Blk. lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSZ	Aluminium	M20 x 1.5 or 1/2 NPT ¹⁾	IP65, IP68	Spherical hinged cover with cylinder head screw	Blk. lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSZ-H	Aluminium	M20 x 1.5 or 1/2 NPT ¹⁾	IP65, IP68	Flanged hinged cover with cylinder head screw	Blk. lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSZ-K	Aluminium	2 x M20 x 1.5 or 2 x 1/2 NPT ¹⁾	IP65, IP68	Flanged hinged cover with cylinder head screw	Blk. lacquered ¹⁾	M24 x 1.5
BSZ-HK	Aluminium	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Flanged hinged cover with cylinder head screw	Blk. lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSS	Aluminium	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Spherical hinged cover with clamping lever	Blk. lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSS-H	Aluminium	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Flanged hinged cover with clamping lever	Blk. lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BVS	Stainless steel	M20 x 1.5 ¹⁾	IP65	Precision-cast screw cap	Blk. electropolished	M24 x 1.5
BSZ-K	Plastic	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Spherical hinged cover with cylinder head screw	Black	M24 x 1.5
BSZ-HK	Plastic	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Flanged hinged cover with cylinder head screw	Black	M24 x 1.5

Model	Explosion protection				
	without	Ex (apt) Zone 5, 1, 2	Ex (adv) Zone 20, 21, 22	Ex nA (apt) Zone 2	Ex nL (adv) Zone 22
BS	x	x	-	x	x
BSZ	x	x	-	x	x
BSZ-H	x	x	-	x	x
BSZ-K / DN10 ¹⁾	x	x	-	-	-
BSS	x	x	-	-	-
BSS-H	x	x	-	-	-
BVS	x	x	-	-	-
BSZ-K	x	x	-	-	-
BSZ-HK	x	x	-	-	-

Cable entry

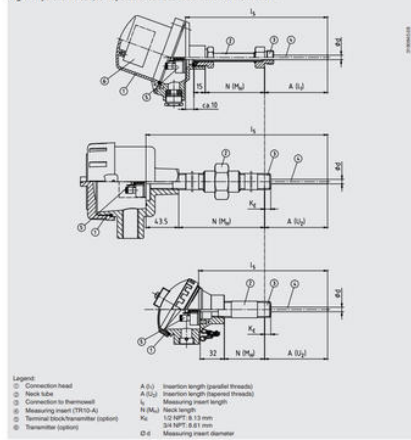


The pictures show examples of connection heads.

Cable entry	Colour	Ingress protection (max.)	Min. max. ambient temperature	Explosion protection (without)	Explosion protection (with)	Explosion protection (with)	Explosion protection (with)	Explosion protection (with)
Standard cable entry ¹⁾	Black	IP65	-40...+80 °C	x	x	-	-	-
Plastic cable gland ¹⁾	Black or grey	IP65, IP68	-40...+80 °C	x	-	-	-	-
Nickel-plated brass cable gland (cable Ø 8...12 mm)	Light blue	IP65, IP68	-20...+80 °C (standard) -40...+70 °C (option)	x	x	x	-	-
Stainless steel cable gland (cable Ø 7...12 mm)	Black	IP65, IP68	-20...+80 °C (standard) -40...+70 °C (option)	x	-	-	x	x
Plain threaded ¹⁾	-	IP65, IP68	-40...+80 °C	x	x	-	-	-
2 x plain threaded ¹⁾	-	IP65, IP68	-40...+80 °C	x	x	x	x	x
Junction box M12 x 1 (4-pin) ¹⁾	-	IP65	-40...+80 °C	x	x	x	-	-
Sealing plug 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"

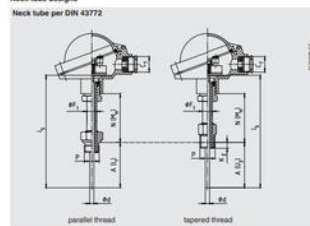


Legend:
 ① Connection head
 ② Neck tube
 ③ Connection to thermowell
 ④ Measuring insert (TW10-A)
 ⑤ Terminal block/transmitter (optional)
 ⑥ Transmitter (optional)

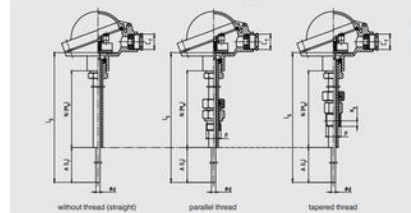
A (s) Insertion length (parallel threads)
 A (t) Insertion length (tapered threads)
 L₁ Measuring insert length
 N (M₁₂) Neck length
 K₁ 1/2 NPT, 8.3 mm
 23 NPT, 8.8 mm
 D₁ Measuring insert diameter

Neck tube

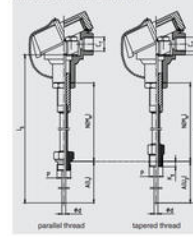
Neck tube designs



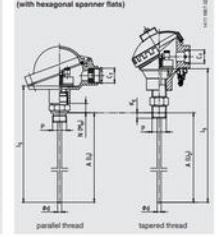
Neck tube per DIN 43772, straight, with/without compression fitting



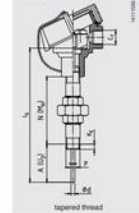
Neck tube, with counter nut to head



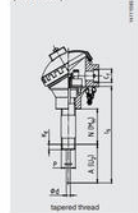
Double threaded hex bushing (with hexagonal spacer fits)



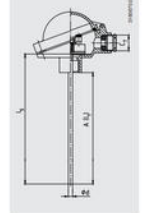
"Nipple-union-nipple" neck tube



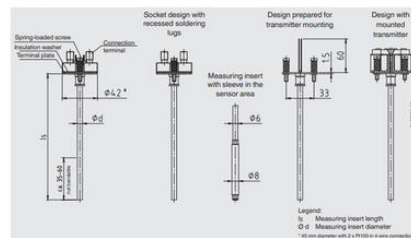
Double threaded hex bushing (tube section)



Without neck tube

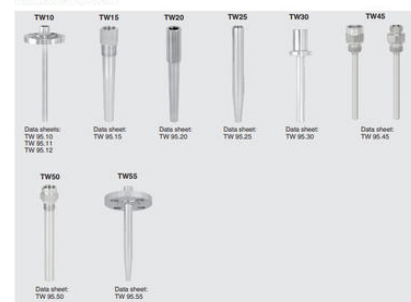


Dimensions in mm



Measuring insert diameter Ø d in mm	Index per DIN 43725	Tolerance in mm	Shaft material	Standard design	Recessed soldering lugs
3 ¹⁾	Standard	±0.05	1.4571, 316L, 1/8"	1.4571	-
6	Standard	±0.1	1.4571, 316L, 1/8"	1.4571	-
8	Standard	±0.1	1.4571	1.4571	-
8 (8 mm with sleeve)	Standard	±0.1	1.4571, 316L, 1/8"	1.4571	-

Thermowell selection



TW10 Data sheet: TW 95.11, TW 95.12	TW15 Data sheet: TW 95.15	TW20 Data sheet: TW 95.20	TW25 Data sheet: TW 95.25	TW30 Data sheet: TW 95.30	TW45 Data sheet: TW 95.45
TW50 Data sheet: TW 95.50	TW55 Data sheet: TW 95.55				