



RESISTANSGIVARE FÖR SEPARAT DYKRÖR

Serie TR10-B

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

- Mätområde från -196 till 600°C
- Utbytbar mätinsats
- Nacklängd från 30mm och uppåt
- PT100 eller PT1000
- Option: SIL2 och ATEX



PRODUKTBESKRIVNING

Serie TR10-B från WIKA är en resistansgivare gjord för kan kombination med dykrör. Givaren levereras med ett halsrör av valfri längd, vilket ger en robustare design för givaren vid montering med dykröret.

En bred variation av längder, mätområden och anslutningshuvuden är tillgängliga vilket gör att givaren är anpassningsbar för alla dykrör och applikationer på marknaden.

Som option kan vi sätta in någon av WIKA's transmittar i huvudet för att få en analog 4-20mA utsignal.

TEKNISK DATA

Anslutning	M24x1,5 till huset
Elektrisk anslutning	M20x1,5
Insticksdiameter	6 mm
Instickslängd	150 mm
IP-klass	IP65
Material Hus	Aluminium
Material Mediaberörda delar	Rostfritt stål 316Ti
Mätprincip	PT100, 2-tråd
Mätsensor	Tunnfilm
Nacklängd	0,05 m
Noggrannhet	Klass B enl. IEC 60751
Omgivningstemperatur från	-40 °C
Omgivningstemperatur till	80 °C

Processanslutning

G1/2"

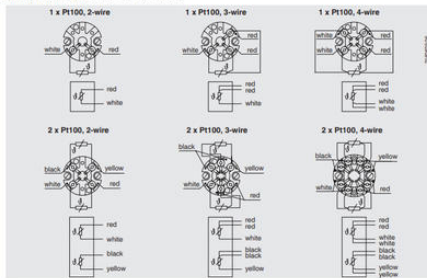
Temperaturområde från

-50 °C

Temperaturområde till

500 °C

Electrical connection (colour code per IEC-EN 60751)



Connection head

■ European designs per EN 50446 / DIN 43735

Model	Material	Connection thread size	Ingress protection (max.)	Cap	Surface	Connection to neck tube
BS	Aluminum	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	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP65, IP68	Spherical fanged cover with cylinder head screw	Blk, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSZ-H	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP65, IP68	Flanged fanged cover with cylinder head screw	Blk, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSZ-H (2x cable entry)	Aluminum	2 x M20 x 1.5 or 2 x 1/2 NPT ¹⁾	IP65, IP68	Flanged fanged cover with cylinder head screw	Blk, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSZ-H (2x cable entry)	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Flanged fanged cover with cylinder head screw	Blk, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSS	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Spherical fanged cover with clamping lever	Blk, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BSS-H	Aluminum	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Flanged fanged cover with clamping lever	Blk, lacquered ¹⁾	M24 x 1.5, 1/2 NPT
BVS	Stainless steel	M20 x 1.5 or 1/2 NPT 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 fanged cover with cylinder head screw	Blk	M24 x 1.5
BSZ-HK	Plastic	M20 x 1.5 or 1/2 NPT ¹⁾	IP65	Flanged fanged cover with cylinder head screw	Blk	M24 x 1.5

Model	Explosion protection			
	without	Ex (apt) Zone 1, 2	Ex (apt) Zone 20, 21, 22	Ex A (apt) Zone 2
BS	x	x	-	-
BSZ	x	x	x	x
BSZ-H	x	x	x	x
BSZ-H (2x cable entry)	x	x	x	x
BSZ-H (2x cable entry)	x	x	-	-
BSS	x	x	-	-
BSS-H	x	x	-	-
BVS	x	x	-	-
BSZ-K	x	x	-	-
BSZ-HK	x	x	-	-

Cable entry



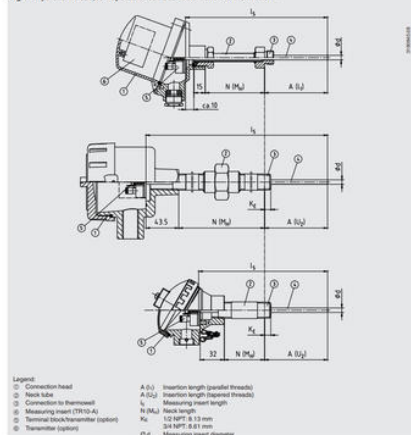
The pictures show examples of connection heads.

Cable entry	Cable entry thread size
Standard cable entry ¹⁾	M20 x 1.5 or 1/2 NPT
Plastic cable gland (cable Ø 6 ... 18 mm) ¹⁾	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 ¹⁾	M20 x 1.5 or 1/2 NPT
2 x plain threaded ¹⁾	2 x M20 x 1.5 or 2 x 1/2 NPT
Junction box M12 x 1 (4-pin) ¹⁾	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 without				Explosion protection with			
				Ex I (apt) Zone 1	Ex I (apt) Zone 2	Ex I (apt) Zone 20	Ex I (apt) Zone 21	Ex I (apt) Zone 22	Ex I (apt) Zone 20	Ex I (apt) Zone 21	Ex I (apt) Zone 22
Standard cable entry ¹⁾	Blk	IP65	-40 ... +80 °C	x	x	-	-	-	-	-	-
Plastic cable gland ¹⁾	Blk or grey	IP65, IP68	-40 ... +80 °C	x	-	-	-	-	-	-	-
Plastic cable gland, Ex e ¹⁾	Light blue	IP65, IP68	-20 ... +80 °C (standard) -40 ... +70 °C (optional)	x	x	-	-	-	x	x	-
Nickel-plated brass cable gland	Blk	IP65, IP68	-40 ... +80 °C	x	-	-	-	-	-	-	-
Nickel-plated brass cable gland, Ex e	Blk	IP65, IP68	-40 ... +80 °C	x	-	-	-	-	-	-	-
Stainless steel cable gland	Blk	IP65, IP68	-40 ... +80 °C	x	x	-	-	-	x	x	-
Stainless steel cable gland, Ex e	Blk	IP65, IP68	-40 ... +80 °C	x	x	-	-	-	x	x	-
Plain threaded ¹⁾	-	IP65	-40 ... +80 °C	x	x	x ²⁾	x ²⁾	x ²⁾	-	-	-
2 x plain threaded ¹⁾	-	IP65	-40 ... +80 °C	x	x	x ²⁾	x ²⁾	x ²⁾	-	-	-
Junction box M12 x 1 (4-pin) ¹⁾	-	IP65	-40 ... +80 °C	x	x ²⁾	x ²⁾	-	-	-	-	-
Sealing plugs for transport	Transparent	-	-40 ... +80 °C	-	-	-	-	-	-	-	-

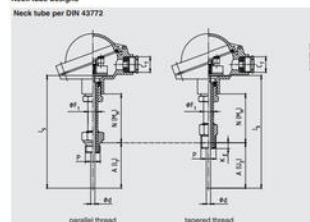
Components model TR10-B

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

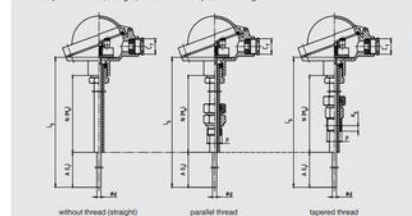


Neck tube

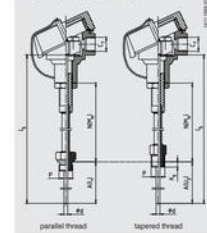
Neck tube designs



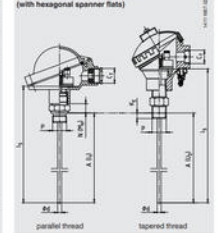
Neck tube per DIN 43772, straight, with/without compression fitting



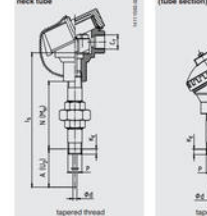
Neck tube, with counter nut to head



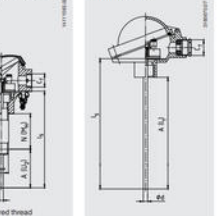
Double threaded hex bushing (with hexagonal spanner flats)



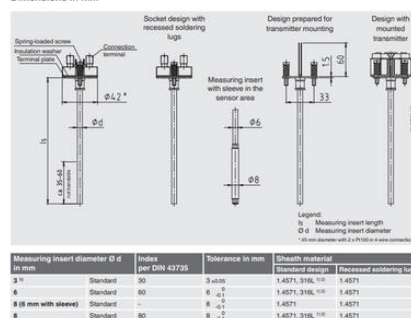
"Hipple-union-ripple" neck tube



Double threaded hex bushing (tube section)



Dimensions in mm



Thermowell selection

