

Resistance thermometer Type 179

for stern tube bearing

Certified by : DNV GL , LR

The type TG 147 according to drawing H110-179 was specially developed for difficult access measuring points, e.g. the stern tube bearings on ships.

This type is supplied with the tube diameter 3,2 as well as 6mm, the length L1 is up to a length of 25m selectable.

The fastening is done by clamping fitting with PTFE-clamping and male stud thread G 1/8. Alternative it may be manufactured with steel clamping. Please define on order.

Remark

If the screw mounted, after loosening the nut, the Teflon clamp ring adjusted and therefore the installation length can be changed.

This is by the steel clamp ring not possible.

A mounting is possible by reducing fitting with other threads. Per default the fitting type R12-R18 with its thread G 1/2 is provided.

Twin thermometers or as well as other usual multiple resistors on request.

Technical Data

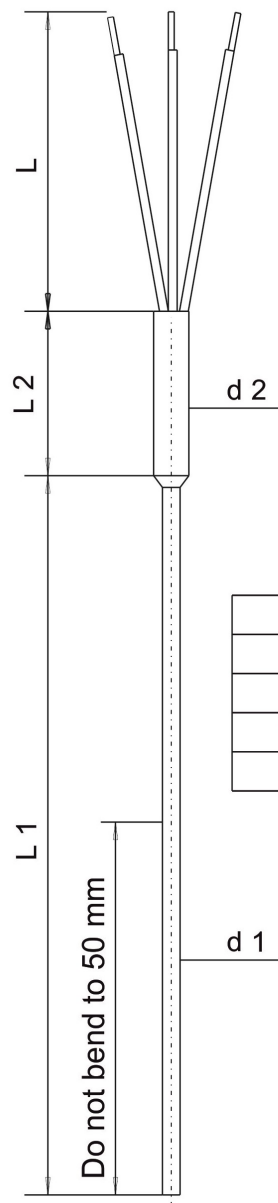
PTC-Resistor	Pt100
Tolerance class	DIN EN60751 class B
Circuit	2-, 3- or 4-wire technology
Measuring range	-50...+200 °C
Degree of protection	IP66
Protection pipe	material 1.4541 / 1.4571
Max. length	approx. 25m
Response time	in water t 0,5 = 1,6 s
Type A	t 0,9 = 4,5 s
Response time	in water t 0,5 = 5 s
Type B	t 0,9 = 13 s
Bend radius	at least 10 mm at ø 3,2 mm
Bend radius	at least 20 mm at ø 6,0 mm

Type TG 179		
Pt100 3-wire technology		
L 1 mm	Type A ø 3,2 mm Article - No	Type B ø 6 mm Article - No
2100	TF179.005	TF179.025
4000	TF179.002	TF179.026
6000	TF179.010	TF179.027
8000	TF179.007	TF179.028
10000	TF179.006	TF179.029
Type	TGPv2-179A-...	TGPv2-179B-...

Matching Fitting	
Screw-in thread G 1/8	
Type A ø 3,2 mm Part - No	Type B ø 6 mm Part - No
R18-4LL/T32	R18-6L/T6

Reducing fitting	
Screw-in thread G	Part-No
G 1/2	R12-R18

This design is available also in other lengths upto max. 25m



Typ	A	B
d 1	3,2 ø	6 ø
L 1	variable length	variable length
d 2	Standard 6 ø	Standard 6 ø
L 2	Standard 30mm	Standard 0mm



PLÖGER SENSOR GMBH

Tel. 040 / 299 48 91
Fax. 040 / 299 33 88
www.ploeger-sensor.de