

Resistance thermometer type 147

for stern tube bearing

Certified by : DNV GL , LR

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

By the higher flexibility of the teflon coat opposite a metal jacket a better introduction to the protection tube is ensured.

This type is supplied with the tube diameter 6 mm, the nominal length is up to a length of 25 m selectable. The standard version of these sensors are provided with 150 mm long Teflon single wire line, used for the electrical connection. Alternatively also longer connecting line can be installed.

Available as single element with Pt100 or Pt1000 in 2-, 3- or 4-wire technology or as double element in 2- or 3-wire technology.

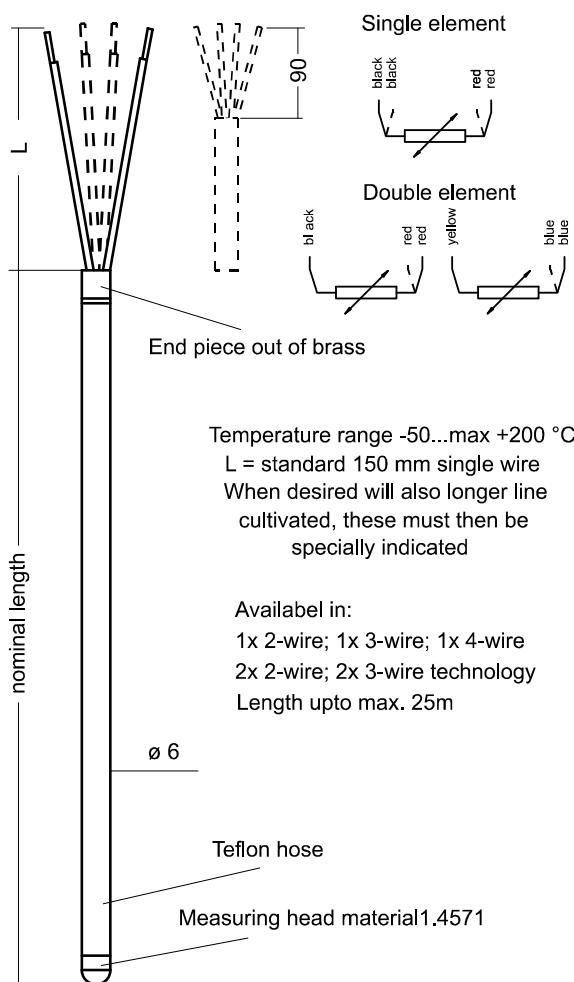
Note

The stainless steel measuring head allows a better heat transfer, However at the same time the protection class is reduced to IP54.

The installation of other resistors is possible.

Technical data

Measuring resistor	Pt100 / Pt1000
Tolerance class	DIN EN 60751 class B
Circuit	2-, 3- or 4-wire technology
Measuring range	-50...+200 °C
Degree of protection	IP 54
Protection pipe material	PTFE
Max. length	approx 25 m
Response time	in water t 0,5 = 8,5s t 0,9 = 31s
Bend radius	At least 20 mm at ø 6,0 mm



Type TG 147		
1x Pt100		
L 1 mm	3- wire technology Article - No	4- wire technology Article - No
2500	TF147.016	TF147.045
5500	TF147.018	TF147.039
7500	TF147.015	TF147.042
9500	TF147.020	TF147.046
16000	TF147.019	TF147.047
Type	TGPv2-147-... (length)	TGPz2-147-... (length)

2x Pt100		
L 1 mm	3- wire technology Article - No	
2500	TF147.041	
5500	TF147.012	
7500	TF147.043	
9500	TF147.023	
16000	TF147.022	
Type	TG2Pv2-147-... (length)	

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