

# Resistance thermometer type 38

for stern tube bearing

**Certified by : DNV GL, LR**

The type TG 38 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 4 mm, the nominal length is up to a length of 80 m selectable.

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

**Note**

The stainless steel measuring head allows a better heat transfer.

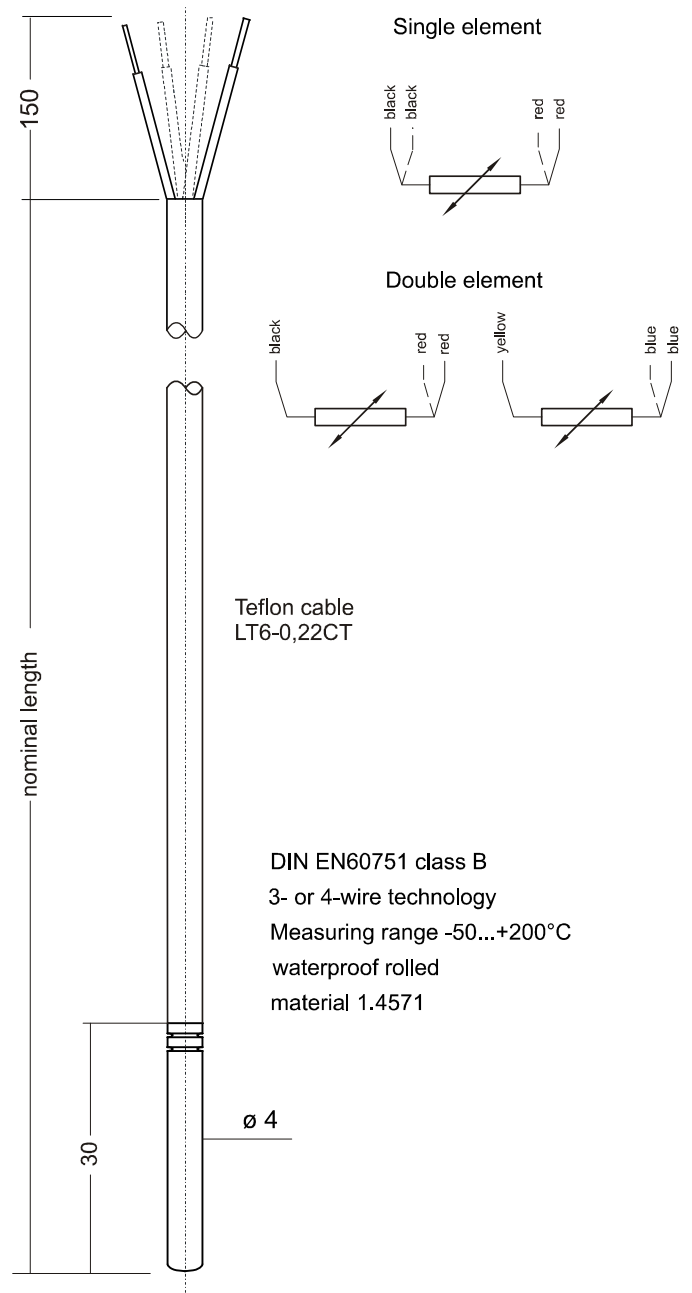
The installation of other resistors is possible.

**Technical data**

Measuring resistor	Pt100 / Pt1000
Tolerance class	DIN EN60751 class B
Circuit	3- or 4-wire technology
Measuring range	-50...+200 °C
Degree of protection	IP 66
Protection pipe	material 1.4571
Max. length	approx 80 m
Response time	in water $t_{0,5} = 1,8 \text{ s}$ $t_{0,9} = 4,0 \text{ s}$

Type TG 38		
Examples of 1x Pt100		
L mm	3-wire technology Article-No	4-wire technology Article-No
950	TF38.002	.....
4250	TF38.001	.....
5000	TF38.003	.....
.....	.....	.....
Type	TGPv2-38wd-... (length)	TGPz2-38wd-... (length)

Examples of 2x Pt100		
L mm	3-wire technology Article-No	4-wire technology Article-No
5000	TF38.004	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
Type	TG2Pv2-38wd-... (length)	



This design is available also in other lengths up to **max. 80 m**