N-LF1210/PT100

(Article number 880577)

Technical Data Sheet

Screw:	1/2"
Material Housing:	POM black
Material electrodes:	Stainless Steel 1.4571
Material O-Ring:	EPDM
Cell constant:	C= 1.0 +/- 10%
Max. Operating pressure:	6 bar
Max. Operating temperature:	60°C
Temperature sensor:	PT100

Pin assignment of the solenoid valve connector:

The signal from the **electrodes** is picked up via **ST2 + PE** of the solenoid valve connector and passed on to the meter.
Cable color: green and yellow

The signal from the **PT100 temperature sensor** is picked up via **ST1 + ST3** of the solenoid valve connector and passed on to the meter.
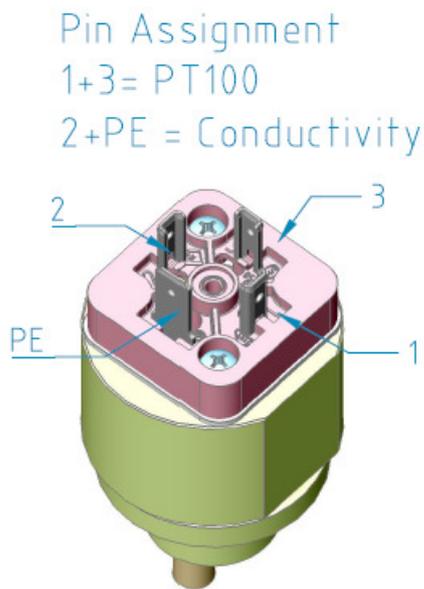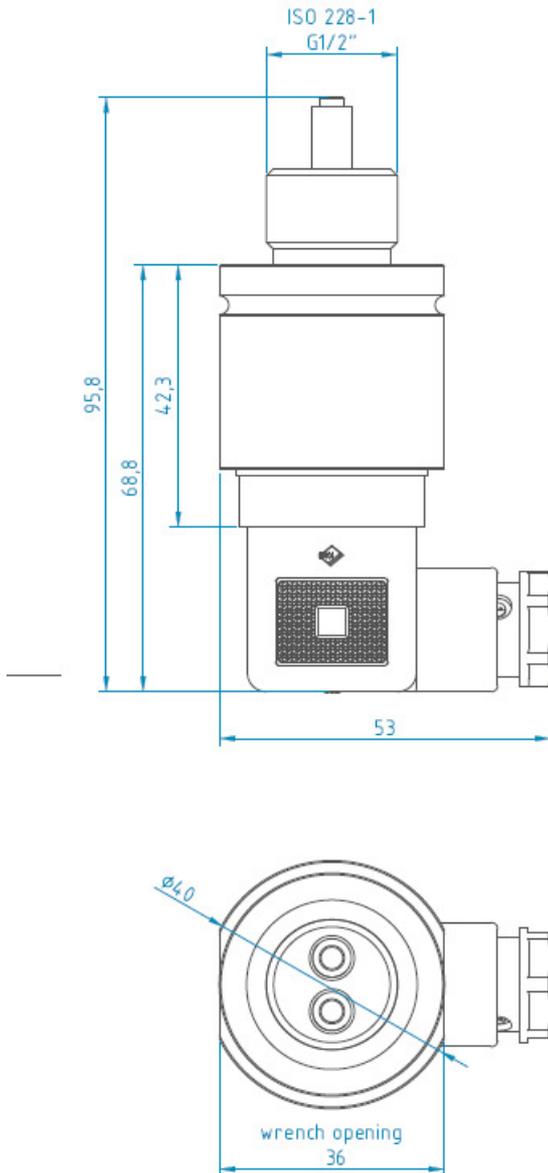Cable color: brown and white

Assembly and application note

Screw the screw-in measuring cell into a T-piece or a screw fitting. The measuring cell contacts must have a distance of at least 5-10 mm to the inner / side walls of the T-piece or screw fitting to avoid incorrect measurements. Make sure that the measuring cell contacts are completely immersed in the water and that there are no air bubbles. A suitable T-piece should therefore be selected.

For measuring cells with a temperature sensor, it can take up to two minutes until the correct conductivity is displayed due to the temperature changes. The measuring cell factor of the measuring cell and the connected measuring device must match. The data sheet of the measuring cell used must be observed!

The cell constant of sensors with open electrodes depends in certain variations on the size and geometry of the electrode-surrounding, water-filled space in the measuring device. Therefore, calibration must only be carried out when the sensor is installed and water is completely flowing through it.

Note: In case of turbidity or contamination, the conductivity changes accordingly. It may then be necessary to check or clean the measuring cell.

NEOMERIS

Technical drawing:

ISO 228-1
G1/2"

95,8
68,8
42,3
53

Pin Assignment
1+3= PT100
2+PE = Conductivity

2
3
PE
1

Ø40
wrench opening
36

Drawing not to scale

As product development is an on-going process, we reserve the right to change specifications that serve the technical progress.