

SNA SUBMERGED LEVEL SENSOR




1 SAFETY SYMBOLS AND MARKS

: Hazard risk. Important information. Refer to the instructions for use.

: Read the instructions for use.

: Compliant with European Union and EFTA directives.

: European Directive 2002/96/EC of 27 January 2003 on waste electrical and electronic equipment (WEEE Directive) was transposed in France by Decree No. 2005-829 of 20 July 2005.

Electrical or electronic appliances, and their spare parts and consumables must never be disposed of in household waste. PARATRONIC has undertaken to set up an Individual Collection System.

PARATRONIC waste electrical and electronic equipment should be returned by customers (End users) to our company's head office, at the following address:

PARATRONIC – Zone Industrielle - Rue des Genêts, 01600 REYRIEUX, France
Service Recyclage DEEE

2 SAFETY INSTRUCTION

: WARNING: The protection offered may be compromised if this appliance is not used as specified.

3 SPECIFICATIONS

Measurement range	0 – 0.05 bar to 0 –1 bar
Power supply voltage	8V to 35Vdc, limited to 1A (respect the polarity)
Output signal	4 / 20mA
Operating temperature	- 20°C to + 60°C frost-free
Storage temperature	- 20°C to + 80°C frost-free
Precision 0 to 40°C (including temperature drift)	+/- 0.1% maximum FS (typ.) i.e. +/- 1mbar
Long-term drift / constancy (at 25°C)	+/- 2 mbar non-cumulative
Maximum pressure without degradation	1.2 bar
Heating time	< 500 ms
Response time	< 500 ms
Fast transients EN 61000-4-4	Level 3
Surge immunity EN 61000-4-5	6KV
Standards: (CE Mark)	EN61000-6-2 - EN61000-6-3 - EN61010-1 EN62479 – EN50581.
Hydrology	ISO 4373
Dimensions	Diam. 44mm, Length = 90mm
Weight	560g + 50g per metre of standard cable
Materials	Passivated 316L stainless steel body PEEK cap
Standard cable	Double-coated, no capillary tube. Outer cladding made of orange-coloured fluorinated insulator. Electrical shielding, 2 x 0.60mm ² conductors (60mΩ/m of cable), diam. 7mm +/-0.5mm, weight 50g per metre Max. length 500m
Use	Cable suspension, or connection to 1 "1/4 gas threading (instead of cap). For fastening and unfastening, use a 38mm key.



Abbreviation:

FS: full scale
PEEK: PolyEtherEtherKetone

4 MAINTENANCE

In the event of fouling, unscrew the cap to clean the measuring cell.

The cell is a very fragile component and care must be taken when cleaning it. Do not use a high-pressure washer, or tools. Do not scrape, as there is a perforation risk. Simply rinse it.

Screw the cap back on.

5 INSTALLATION PRECAUTIONS

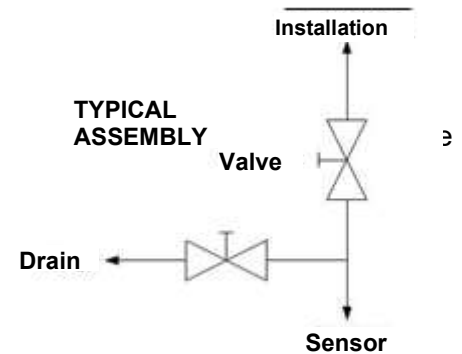
In order to vent the pressure sensor via the cable, a number of installation precautions are required:

- Handle the cable with care, do not damage or pierce it, do not bend it, observe a minimum radius of curvature of 80 mm
- Do not pinch the cable
- Suspend it with the hook provided
- Ensure that the end of the cable is at atmospheric pressure, free from chemical pollution, and that it is never submerged

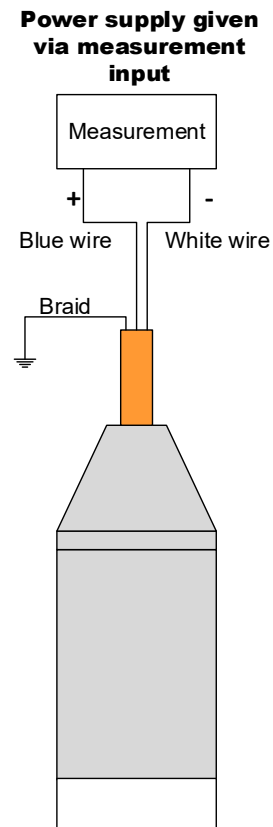
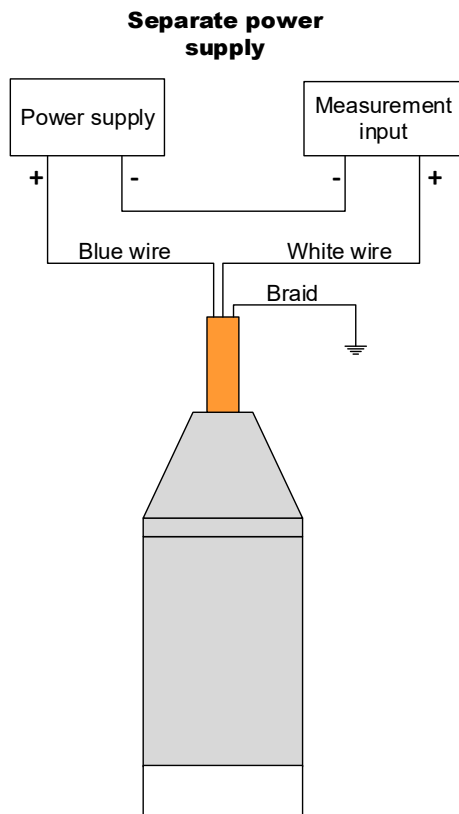
For a pipe connection, position the probe vertically.

Pressurise slowly and gradually.

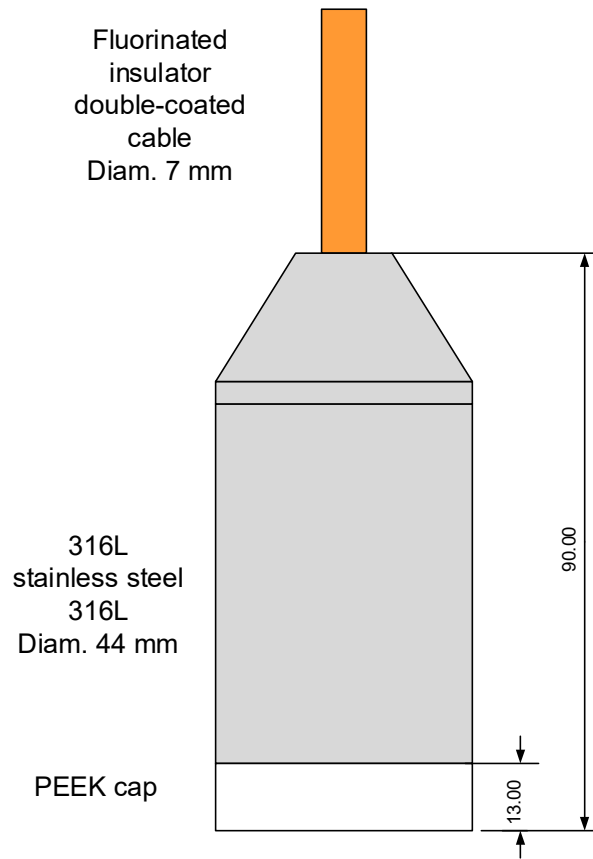
Make sure that the probe is never subject to sudden pressure variations, or pressure.



6 CONNECTION



7 DIMENSIONS



The specifications described in this document are subject to change by the manufacturer without notice.