



Fill level measurement



Conductive rod probe:
SNT

with plastic screwing thread and plug connection;
up to 4 rods, medium temperature: -20°C...+100°C;
pressure: 10 bar

Description

The SNT rod probes are used in conjunction with the evaluation units (e.g., SRA-100-U0) for level detection and level control in conductive liquids.

Depending on the number of rods and evaluation devices used, different measurement tasks such as Overflow, dry run, two-step control, moisture detection, etc. are realized.

Depending on the model selected, it can include the container wall as a mass, to be implemented to 5 switchpoints. The ground connection goes either directly to the container or through a probe rod.

The electrical connection is made via a plug type SNT contact, thus a rapid assembly and disassembly of the probe or a repositioning of the indicator to other probes is possible.



Application

- Level detection in conductive liquids
- Up to five limit levels simultaneously detectable
- As leakage or overflow protection in containers
- For minimum / maximum / resp. multi-point-detection in containers
- As pump protection, resp. dry run protection in pipelines
- For two-point control of pumps
- For conductivities from 1 µS/cm
- For process temperatures from -15 °C up to +100 °C
- For process pressures from -1 bar up to +10 bar
- Material also for corrosive and aggressive products

Your benefits

- Suitable for **aggressive media** due to the use of special material such as Hastelloy; PTFE; ETFE resp. E-CTFE etc.
- Simple and quick installation via plug connection DIN EN 175-301-803-A (DIN 43 650 -A)
- Simple switching point adjustment by probe rods that can be shortened

Technical data

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Process pressure max:	10bar
Medium temperature:	-20°C...100°C
Material connection head:	POM / polypropylene (PP) / PTFE
Material probes:	Stainless steel 1.4571, 1.4404 / Hastelloy C
Isolation probe rod:	Polyamid / E-CTFE

Specials

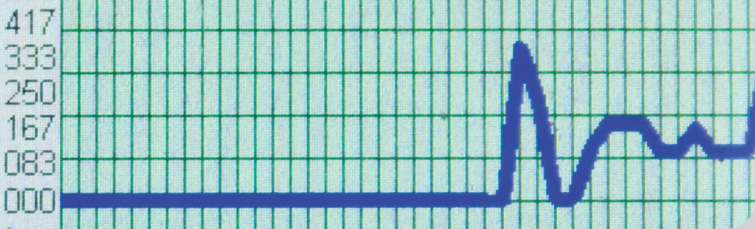
up to
10
bar
pressure

corrosion
resistant

up to **5**
measuring points

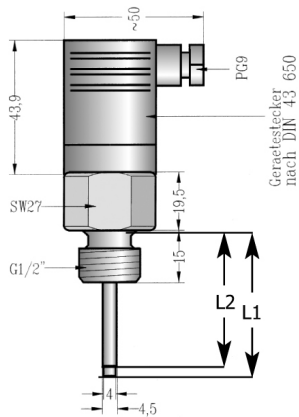
plug connection

process
temperature
100°C

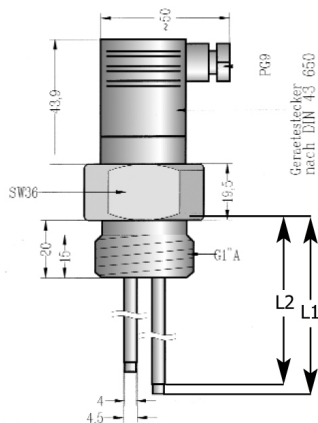


Bestellschlüssel

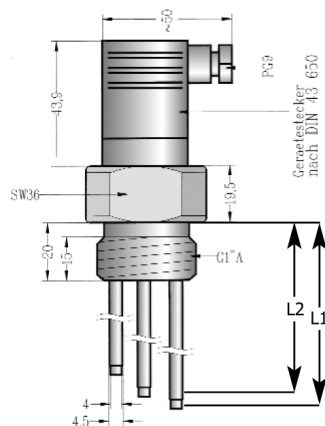
Typ: SNT 1



Typ: SNT 2



Typ: SNT 3



Electrode rods

- 1 One-rod-probe
- 2 Two-rod-probe
- 3 Three-rod-probe
- 4 Four-rod-probe

Connection

- G12 Thread ISO 228-1 - G1/2" plastic connection (only for 1-rod)
- G10 Thread ISO 228-1 - G1" plastic connection (up to 3-rod)
- G15 Thread ISO 228-1 - G1 1/2" plastic connection (for alle probes possible)

Material probe rod

(price per 100mm)

- A CrNi-steel 4 mm
- D Hastelloy® C 4 mm
- Y Others

Material process connection

- D POM - polyoxymethylene Delrin®
- P PP - polypropylene
- T PTFE - Polytetrafluoroethylene Teflon®

Material probe insulation

(price per 100mm)

- R PA-Polyamid (standard)
- H ETFE bzw. E-CTFE 4 mm 4 mm

Diameter probe rod

- 0 4 mm

Length L1 probe rod in mm - up to max. 2500 mm

Length L2 insulation mm

Plug

- 0 Type: NKW04-0 (1x included with delivery)
- 1 Additional plug NKW04-0

Order code

SNT

0 mm mm 0

SNT probes are only available in 500 mm increments!
Probe rods should be shortened by oneself!