

RESISTIVE LEVEL PROBE STE



SAFETY INSTRUCTIONS

- Installation, commissioning and maintenance may only be carried out by qualified personnel.
- Only connect the unit to the voltage specified in the technical documentation or on the label.
- Disconnect the unit from the power supply during installation and maintenance tasks.
- Only operate the unit under the operating conditions defined in the manual and data-sheet.

DESCRIPTION

The STE is used together with one or more ES2001 relays for level detection of conductive liquids. According to the model, up to five limit values can be recorded (using a conductive tank as the electrical reference). For tanks made or with of insulating materials, one of the rod must be used as a reference electrode.

Note:
Resistive level detection is not suitable for use with liquids that contain oil or grease or where electrically conductive or insulating deposits can form.
To be used only in liquids compatible with stainless steel 316.

Caution:
For liquids with a conductivity > 6.6 $\mu\text{S}/\text{cm}$ or a resistivity lower than 150 $\text{k}\Omega\cdot\text{cm}$

TECHNICAL FEATURES

Rods (electrodes)	Up to 5 rods, stainless steel 316Ti (optional titanium)
Minimum length L1 and L2	50mm
Maximum length L1 ... L5	2000 mm
Installation	Install vertically from the top, never horizontally
Fitting	PP (Option: stainless steel)
Head housing	PBT-G (glass fibre reinforced) IP65 according EN 60529
Rod partial insulation	Heat shrink polyolefin sheath To avoid electrical bridges by residues between rods or if the electrodes are long and touch each other
Temperature	Ambient: -20 ... +60 °C Liquid: -5 ... +100 °C (limits may be restricted by the chemical)
Operating pressure	6 bar at 20 °C 1 bar at 100 °C For higher pressure: On request

EC Conformity: The instrument meets the legal requirements of the current European Directives.

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STE

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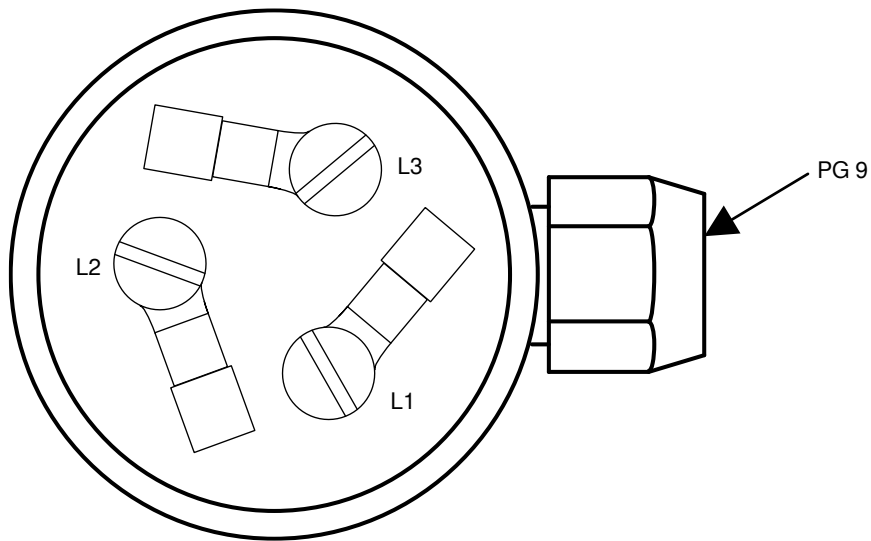
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ELECTRICAL CONNECTION

per electrode: screw connection M4 for 4mm ring cable lug 1mm²



Example: Connections for a probe with 3 electrode rods

Note: L1 is always the shortest electrode

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