Conductiv filling level device CFP

General
- These probes are used for level detection or for the 2-point-regulation of electrically conductive fluids.

Intended Use
- As a level probe with 2 probes as a minimum or maximum level indicator.
- As a level probe with 3 probes as a 2-point controller.

Function
- These probes are intended as sensors for the conductive principle; i.e. the electrical conductivity of the fluid to be controlled is used to determine the filling/limit.

Limits Of Use
- Conductive filling level regulations are not suitable for fluids that contain oil or grease or are susceptible to forming electrically insulating sediments. We do not recommend the use of probes for:
  - Electrically non-conductive fluids
  - Fluids containing larger solid matter particles
  - Fluids to which stainless steel (1.4571) is not permanently resistant

Measuring Value
- Filling level

Power Supply
- 18 ... 30 VDC

Electronic Housing
- Housing: PP-glass fibre reinforced
- Cover: PP-glass fibre reinforced
- Seal: NBR

Connection Cable
- Cable outer diameter of 7...13 mm
- Nominal cross-section 1.5 mm²

Type Of Protection
- IP 67

Process Connection
- G1" screw-in thread
- Housing: PE
- Seal: EPDM
- Alternative with PE-mounting kit

Measuring Principle
- Conductive

Rod Version
- Material: Stainless steel (1.4571)
- Insulation: Partly insulated, polyolefin
- Rod lengths: 100, 500 or 1000 mm

Attention
- Rod length to be cut by customer

Fluid Temperature
- 0 ... +70°C

Ambient Temperature
- -20 ... +70°C

Ambient Pressure
- 0.8 ... 1.1 bar

Relative Humidity
- 20 ... 85%

Accessories
- PE-mounting kit with PE-pipe clip ø40, PE-spacer and PE-angle support (Ident-no. 140727)

Installation Note
- Only mount vertically from above

Maintenance Note
- When used in accordance with its intended use: none
Electrical connection

+ = Electrical conductor (3 ... 18 VDC)
- = Neutral
1 = Relay 1 (NO)
2 = Relay 2 (NO)
com = Relay 1-4 (com)
χ = Poti for sensitivity

Example

2-rod probe

Example

3-rod probe

1 = Reference
2 = Maximum
3 = Minimum

1 = Reference
2 = Maximum or Minimum
## Level measurement, Conductiv filling level device CFP

**body PP - GF**

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### Level measurement, Conductiv filling level device CFP

#### Dimensions

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