

# FS4

## TOP TANK LEVEL INDICATOR



## INSTRUCTIONS MANUAL

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**FS4**

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584 M1 01 D

**MES**

**584-01**

## 1 CAUTION

Installing and operating the unit FS4 must be done outside of any magnetic field.  
Any iron device must be at least at 10 cm as a minimum.  
Use non magnetic connection (Brass, Stainless Steel or plastic).  
Verify the chemical compatibility between the fluid and FS4 materials.  
Pressure inside the tank and indicator, must be at 4 bar as a maximum or less.

## 2 PRINCIPLE

This indicator allows a direct level reading, on time, on any liquid level (respecting chemical resistances) even when tank is opaque.  
Assembly is done above the tank. Float and index with magnet, are fixed on a stem.  
When indicator is on the tank, the float follows the liquid level increases, so does the index.  
Index with magnet can actuate one or more, BSM 501 level switches.  
A graduated ruler (option) fit the indicator tube for a quantified reading.

## 3 INSTALLATION

Verify the space above the tank is sufficient for mounting the complete unit, then is screwed on the transparent tube on its support.

- Insert the float in the tube.
- Fix the FS4 on the tank with 4 screws and nuts on the ND 65 flange. Verify the sealing is correctly done.

For the level switches and graduated ruler, follow the respective instructions manuals.

To avoid pressure in the tube, which will stop the float, there are two holes below the flange to ensure air blowing.

## 4 MAINTENANCE

FS4 is a robust level indicator; it does not require specific maintenance. From time to time, clean the float and back face of tube.

## 5 TECHNICAL FEATURES

Height limit: 3 000 mm as a maximum (for S.G.= 1 kg/L),  
*this limit depends of the fluid S.G.*

Pressure limit: 4 bar at 20°C,  
*this limit depends of the materials.*

Temperature limits: PVC / 60°C  
PPH / 80°C

### MATERIALS

Lower tube: PVC or PPH  
Higher tube: Transparent PVC  
Stem: PPH  
Indicator: PPH, with magnet, ring of red PVC  
Fittings: Loose flange ND65 of PVC or PPH

- 1: Float
- 2: Lower tube
- 3: Stem
- 4: Loose flange ND65
- 5: Index with magnet
- 6: Higher tube

