MAXITOP

Compact Overfill Sensor



INSTRUCTIONS MANUAL



COMPACT OVERFILL SENSOR MAXITOP

MSA

556-01

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CAUTION

Trained personnel may only perform installation, initial start-up and maintenance.

- All applicable European and national regulations regarding installation of electrical equipment must be adhered to. The device may only be connected to supply power complying with the specifications included in the technical data and on the serial plate.
- The device must be disconnected from all sources of power during installation and maintenance work.
 The device may only be operated under the conditions specified in the operating instructions.

DESCRIPTION

The compact overfill probe MAXITOP is used as an overfilling monitoring device for permanently installed containers used for the storage of nonflammable, water endangering liquids.

The MAXIMAT has 5 different possible transmissions:

- Low voltage contact output (max. 50 V AC/DC, max. 0.5 A, max. 10 VA)
- Relay output to use with a CST device (data sheet 555-09)
- Relay output to use with a SHR relay (data sheet 555-06)
- Direct connection to a PLC
- Direct connection to an alarming unit TC4 (data sheet 555-07)

Applications: Note that stored liquids may not tend to precipitate insulating or conductive sediments.

In accordance with low-voltage directive (2006/95/CE), EMC directive (89/336/EWG). CE mark:

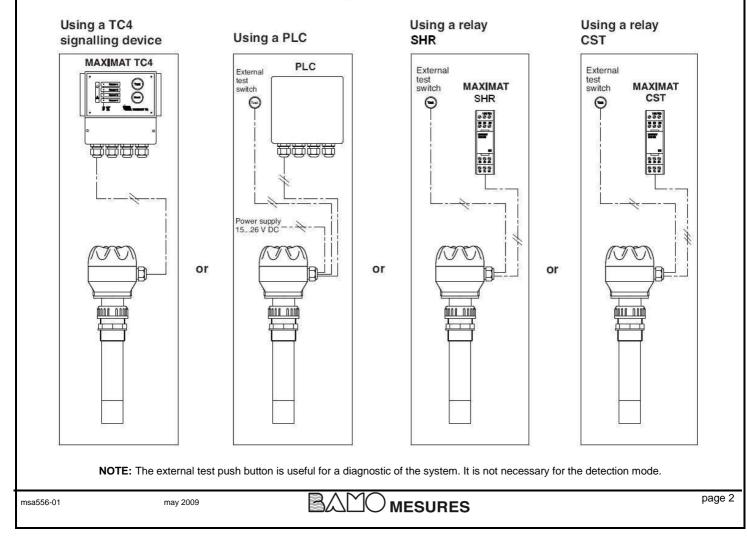
TECHNICAL FEATURES

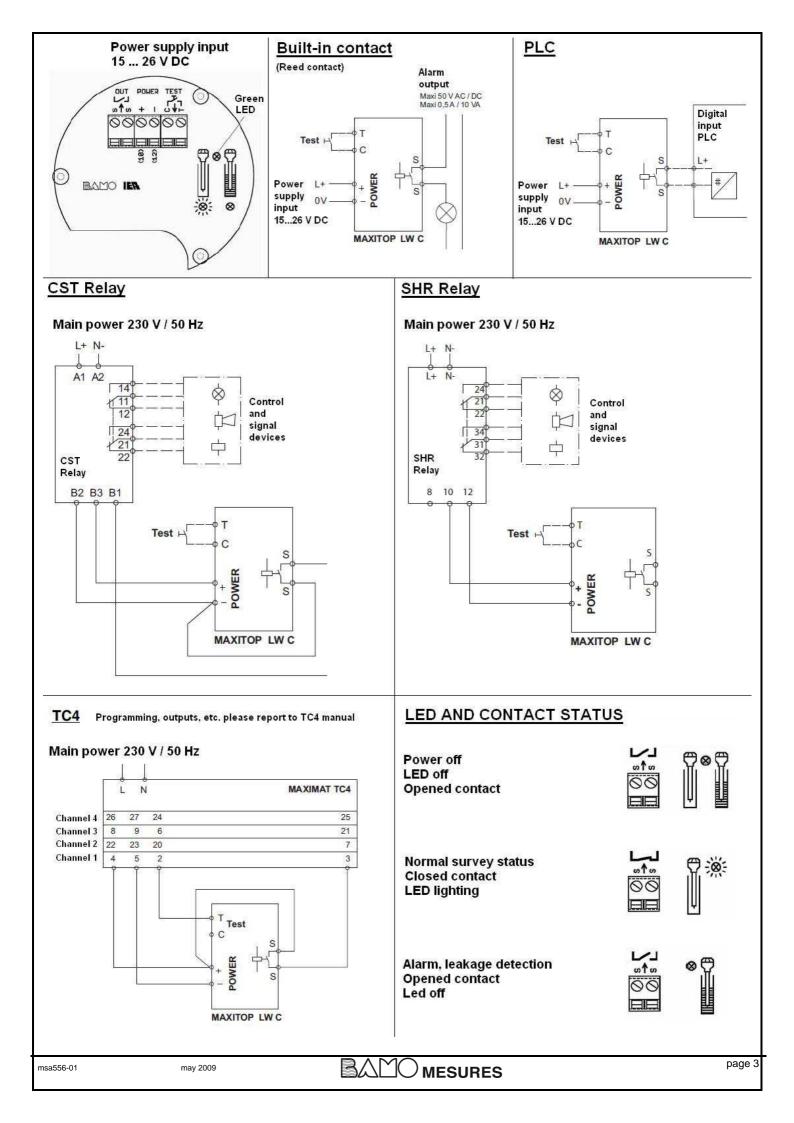
15 ... 26 V DC (when a fuse 250 mA is installed) Main power supply: Power consumption: approx. 3 W -20 to +60°C Ambient temperature: Operating pressure: atmospheric (0.8 to 1.1 bar) Probe: PEHD 2" G, PVC, sliding - adjustable immersion depth Process connection: PBT, fibre glass reinforced, IP 65 acc. EN 60 529 Terminal housing: Screw connectors, IP 20; max. wire cross-section 2.5 mm² Terminals: for an external push in switch to run a test sequence; T & C connectors Input 1 LED (green) inside the terminal housing; lighting = perfect conditions; Off = or alarm status or Error status Status display:

WIRING OPTIONS



3 wires cable symbol





TEST INSTRUCTIONS FOR OVERFILLING AND LEAKAGE DETECTION PROBES

Measuring Method

The measuring sensor works in accordance with the capacitive proximity switch principle. In this application the non-conductive medium –air- changes to a conductive medium –stored chemical- when an overfilling or a leakage occurs.

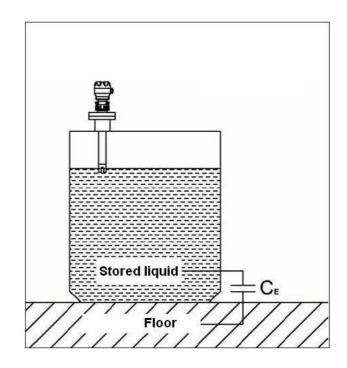
Applications

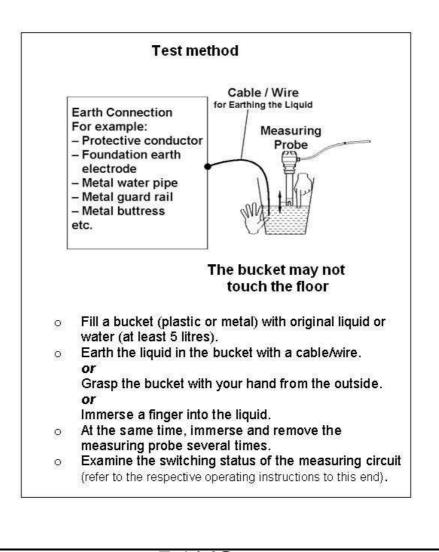
The measuring sensors are suitable to liquids for which reactive impedance is less than 5 kOhm / cm, or with a coupling capacitance to earth is greater than 50 pF. Stored liquids may not tend to precipitate insulating or conductive sediments.

Periodic Testing

The frequency for testing the complete system should be at least once a year, or more often, and in any case according to the rules of the Country where is the installation. Observe the instructions from the "General Building Supervisory Approval" (concerns the probes that require a specific approval).

Proceed to a test before the installation and initial start-up.





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