

Compact Overfill Sensor MAXITOP



- Capacitive detection
- For aggressive and conductive liquids
- Positive active alarm, with SHR relay
- Auto diagnostic system and LED
- All composite materials construction
- No electrode in contact with the fluid
- Fittings: threaded, flanged process connections
- Adjustable immersion depth

APPLICATIONS

With its integrated positive safety converter, the **MAXITOP** is ideal to give an alarm before the overfilling of a tank. Convenient to use with any electrically conductive, non-flammable liquids; even highly aggressive liquids.

PRINCIPLE

The detector **MAXITOP** is designed to detect conductive liquids with a reactance up to 5 kOhm and a coupling capacitance towards ground of more than 50 pF. The liquids may not generate electrical insulating or conductive deposit.

The **MAXITOP** has 4 different possible transmissions:

- Relay output in use with a **CST** (*data sheet 555-09*)
- Relay output in use with a **SHR** (*data sheet 555-06*)
- Direct connection to a **PLC**
- Direct connection to an alarming unit **TC4** (*data sheet 555-07*)

TECHNICAL FEATURES

| | |
|----------------------|-------------------------------------------------------------------------------------------|
| Main power supply: | 15...27 V DC |
| Power consumption: | < 1 W |
| Ambient temperature: | -20...+60 °C |
| Operating pressure: | atmospheric (0.8 to 1.1 bar) |
| Stem: | PE |
| Process connection: | 2" G, PVC, sliding – adjustable immersion depth |
| Lengths (L): | 500, 700, 900 mm (<i>other lengths on request</i>) |
| Terminal housing: | PBT, fibre glass reinforced, IP 65 acc. EN 60 529 |
| Terminals: | Screw connectors, IP 20, max. wire cross-section 2.5 mm ² |
| Input: | For an external button switch in order to run a test sequence |
| Signalling display: | 1 LED (green) inside the terminal housing |
| Output: | Reed contact, potential free, for low voltage, max. 50 V AC/DC, max. 0.5 A, max. 10 VA |
| CE mark: | In accordance with low-voltage directive (2006/95/CE) and EMC directives (89/336/CE) |

CODE NUMBERS AND REFERENCES

| Code | Reference | Designation |
|---------|-------------|-----------------------------|
| 556 109 | MAXITOP 500 | Detector, 500 mm long, 2" G |
| 556 113 | MAXITOP 700 | Detector, 700 mm long, 2" G |
| 556 117 | MAXITOP 900 | Detector, 900 mm long, 2" G |

BAMO MESURES

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MAXITOP

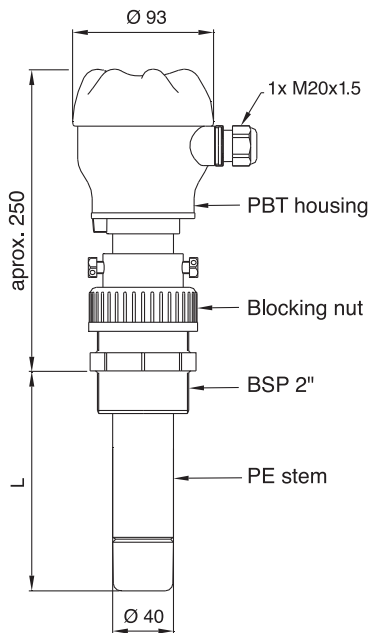
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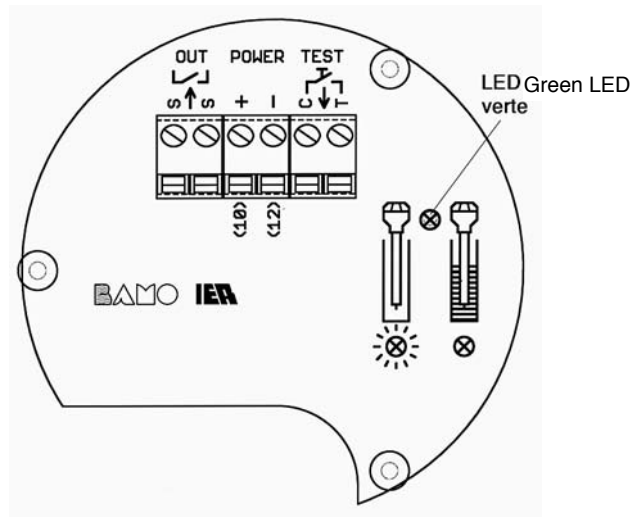
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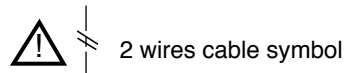
DIMENSIONS



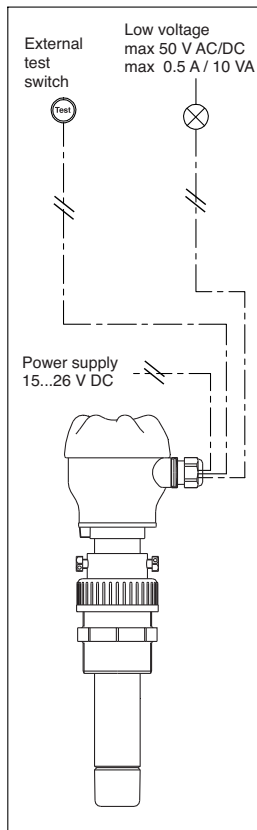
CONNECTORS and PCB



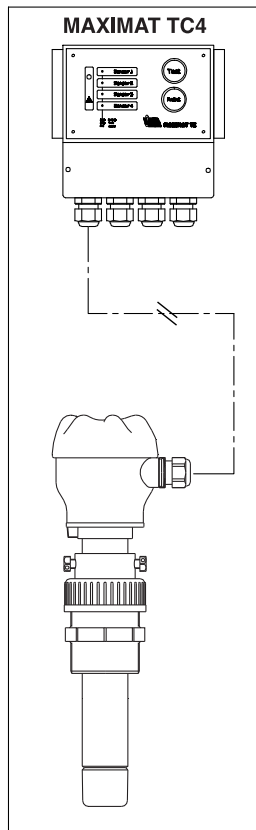
WIRING POSSIBILITIES



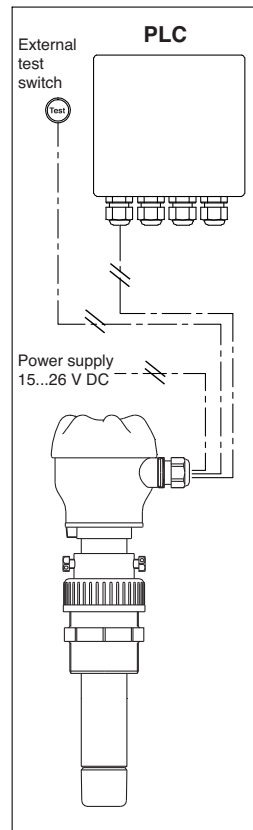
Using the built-in contact output



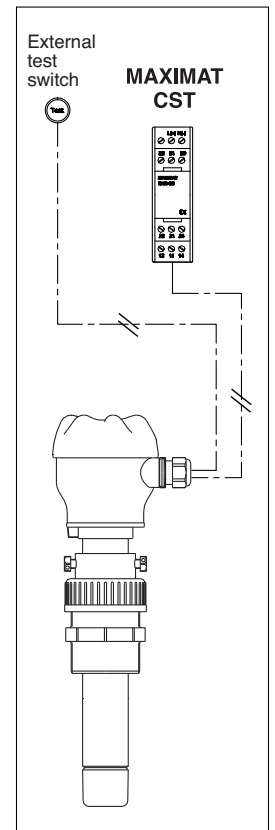
Using a TC4 signalling device



Using a PLC



Using a relay CST



NOTE : The external test switch is useful for a diagnostic of the system. It is not necessary for the proper detection mode.

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