

Compact Overfill Sensor MAXITOP



- Capacitive detection
- For aggressive and conductive liquids
- Positive active alarm
- 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:

- Low voltage output (max. 50 V ac/dc, max. 0.5 A, max. 10 VA)
- Relay output in use with a CST device (*data sheet 555-09*)
- Direct connection to a PLC
- Direct connection to an alarming unit TC4 (*data sheet 555-07*)

TECHNICAL FEATURES

Main power supply:	15 ... 26 V DC
Power consumption:	approx. 3 W
Ambient temperature:	-20 to +60° C
Operating pressure:	atmospheric, 0.8 to 1.1 bar
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
Stem:	PEHD
Process connection:	2" G, PVC, sliding – adjustable immersion depth
Lengths, as standard:	500, 700, 900 mm (<i>Other length on request</i>)
Signal:	1 LED (green) inside the terminal housing
CE mark:	in accordance with low-voltage directive (2006/95/CE) and EMC directives (89/336/CE)

CODE NUMBERS AND REFERENCES

Code	Reference	Désignation
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

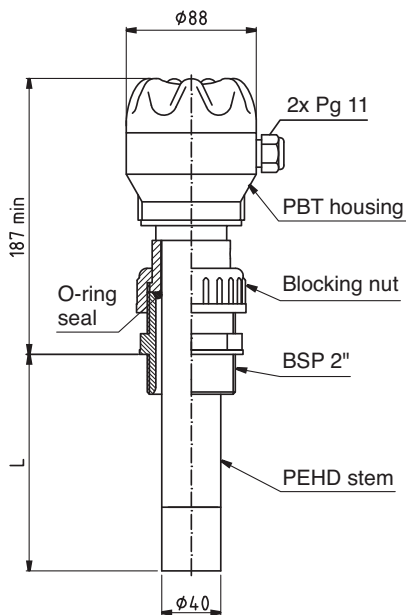
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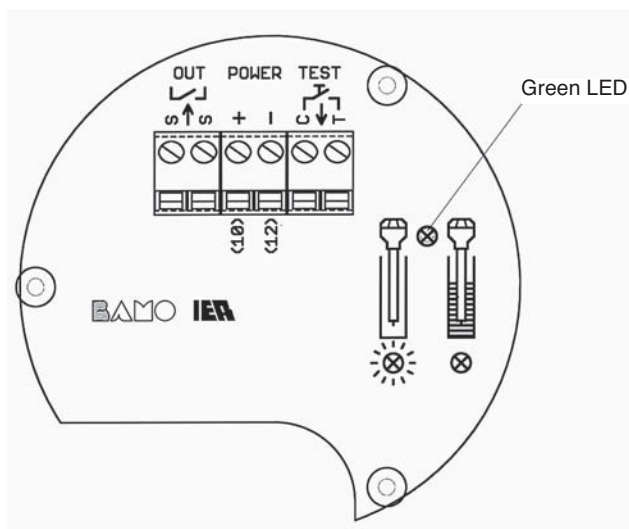
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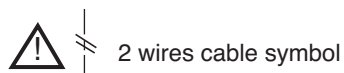
DIMENSIONS



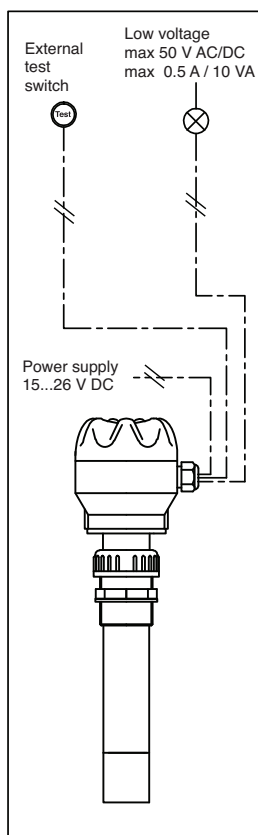
CONNECTORS and PCB



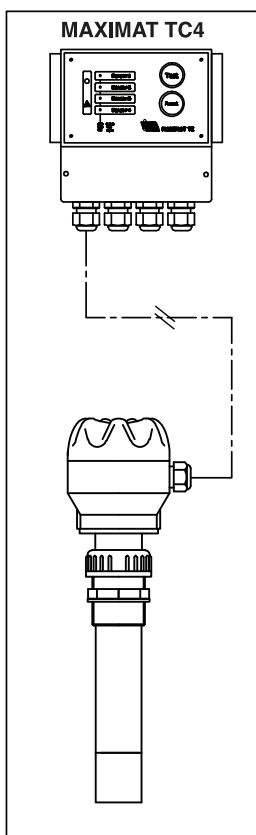
WIRING POSSIBILITIES



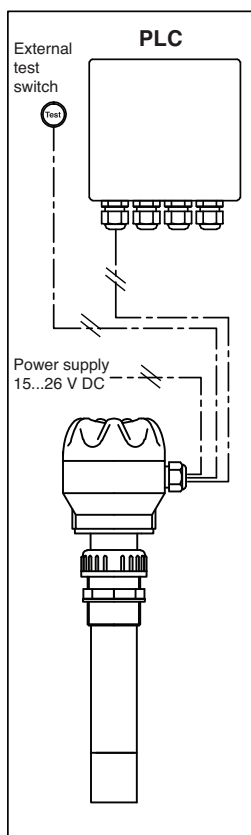
Using the built-in contact output



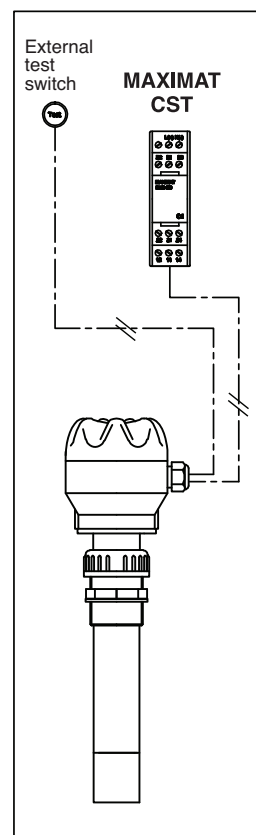
Using a TC4 signalling device



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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