

Compact Overfill Sensor MAXITOP



- Capacitive detection
- For aggressive and conductive liquids
- Positive active alarm with SHR relay
- Auto diagnostic system, LED status display
- All plastic materials
- 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.
MAXITOP is 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 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)

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 mm²
Probe: PEHD
Process connection: 2" G, PVC, sliding – adjustable immersion depth
Lengths, as standard: 500, 700, 900 mm (Other length on request)
Status display: 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	Designation
556 109	MAXITOP 500	Detector, L = 500 mm, 2" G
556 113	MAXITOP 700	Detector, L = 700 mm, 2" G
556 117	MAXITOP 900	Detector, L = 900 mm, 2" G

BAMO MESURES

22, Rue de la Voie des Bans - 95 100 ARGENTEUIL - FRANCE

Phone +33 (0)1 30 25 83 20 - E-mail: info@bamo.fr

Fax: +33 (0)1 34 10 16 05 - http://www.bamo.eu

COMPACT OVERFILL SENSOR
MAXITOP

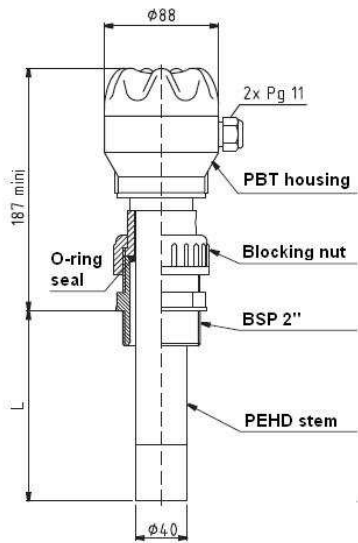
02-2009

556 11 01 A

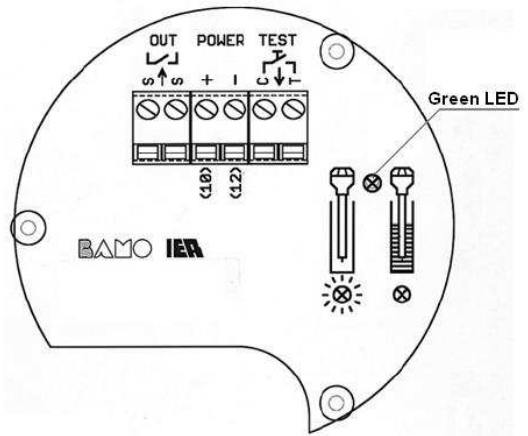
NIV

556-01/1

DIMENSIONS



CONNECTORS AND PCB



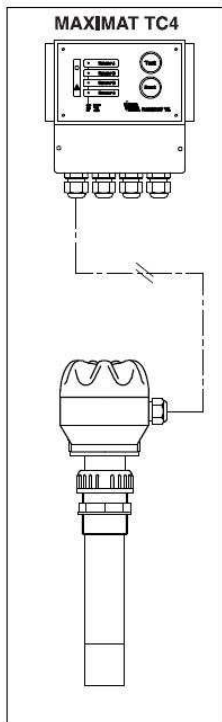
WIRING OPTIONS



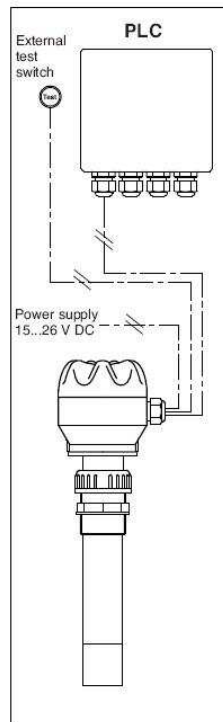
≠ 2 wires cable symbol

≠ 3 wires cable symbol

Using a TC4 signalling device



Using a PLC

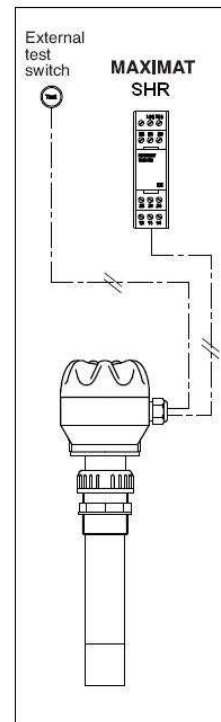


or

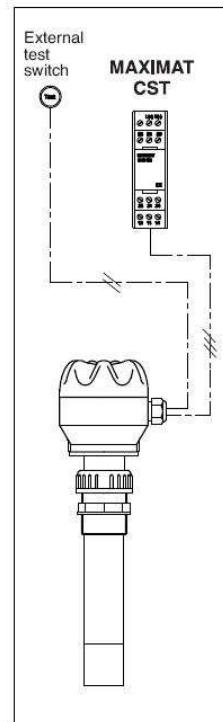
or

or

Using a relay SHR



Using a relay CST



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

BAMO MESURES

22, Rue de la Voie des Bans - 95 100 ARGENTEUIL - FRANCE

Phone +33 (0)1 30 25 83 20 - E-mail: info@bamo.fr

Fax: +33 (0)1 34 10 16 05 - <http://www.bamo.eu>

COMPACT OVERFILL SENSOR
MAXITOP

02-2009

55611 01 A

NIV

556-01/1