

Compact Overfill Sensor MAXIMAT® C



- Capacitive, high frequency, fail-safe detection
- For aggressive and conductive liquids
- Positive active alarm
- Auto diagnostic system and LED
- Approvals: DIBT Z-65.13-294, for overfilling detection WHG§19, and VLAREM II

APPLICATIONS

With its integrated transmitter and connection for diagnostic, the MAXIMAT is ideal to detect the liquid level and to give an alarm before the overfilling of a tank. Convenient to use with any electrically conductive, non-flammable, water endangering liquids; even highly aggressive liquids. It is a perfect instrument to detect fluid in a double wall tank.

PRINCIPLE

The transmitter MAXIMAT is designed to detect conductive liquids with a resistivity up to 5 kOhm/cm and a coupling capacitance towards ground of more than 50 pF. The liquids may not generate electrical insulating or conductive deposit.

The MAXIMAT has 3 different outputs, factory built-in:

- Binary output to active optocoupler, numeric input
- Analog 0...20 mA output for any analog input of PLC

TECHNICAL SPECIFICATIONS

Main power supply: 15 ... 26 V DC; caution: DC current circuit should be protected by a fuse of 250 mA.

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

Outputs:

- Switch [+DO / -DO]: optocoupler NPN, maximum 30 mA
- Switch [+AO / -AO]: current 0...20 mA

Configuration: with 4 DIP switches

Lighting signal: 1 LED inside the terminal housing for correct operating system

CE mark: in accordance with low-voltage directive (73/23/EWG) and EMC directives (89/336/EWG) and standards EN 50 082-2 : 1995, EN 55 011 (class A) : 1998

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BAMO MESURES

22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL

Tél : (+33) 01 30 25 83 20 - Web : www.bamo.fr

Fax : (+33) 01 34 10 16 05 - E-mail : info@bamo.fr

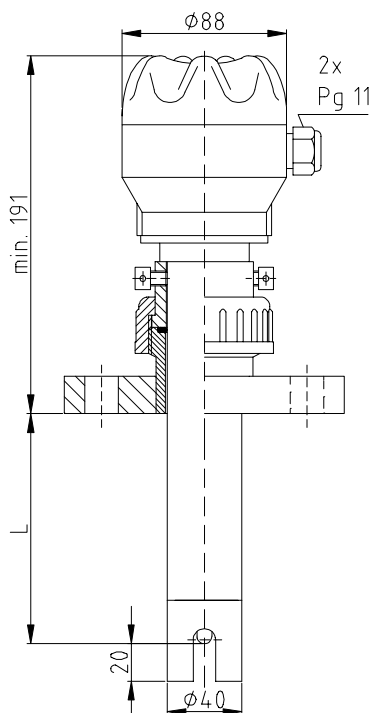
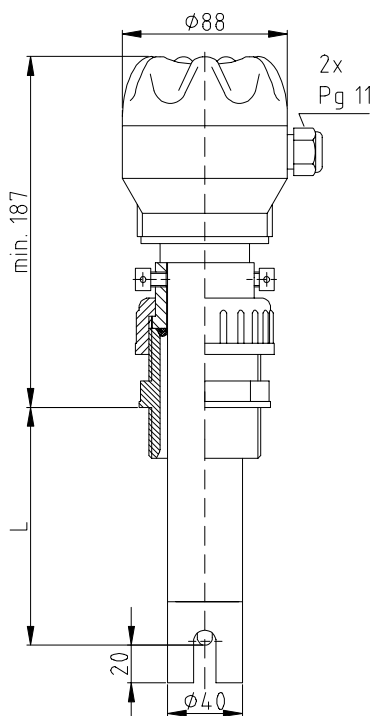
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MAXIMAT® C

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DIMENSIONS



CODES and REFERENCES

MAXIMAT C, 24 V DC, overflow transmitter
N = 1 glass carbon sensor

Probe material

- 1 = PVC
- 2 = PP
- 3 = PVDF
- 4 = PE-HD (Standard)

Sensor material

- 6 = glass carbon sensor

Process connection or adjustable height

- Threaded BSP 2"**
- 31 = PVC (Standard)
 - 32 = PP
 - 33 = PVDF

Weld-on union BSP 2"

- 51 = PVC
- 52 = PP
- 53 = PVDF
- 54 = PE-HD

Flange DN40 PN 10

- 451 = PVC
- 452 = PP
- 453 = PVDF

Flange DN50 PN 10

- 461 = PVC
- 462 = PP
- 463 = PVDF

Flange DN65 PN 10

- 471 = PVC
- 472 = PP
- 473 = PVDF

Process connection non-adjustable height

- Threaded BSP 2"**
- 11 = PVC
 - 12 = PP
 - 13 = PVDF
 - 14 = PE-HD (standard)

Flange DN40 PN 10

- 251 = PVC
- 252 = PP
- 253 = PVDF
- 254 = PE-HD

Flange DN50 PN 10

- 261 = PVC
- 262 = PP
- 263 = PVDF
- 264 = PE-HD

Flange DN65 PN 10

- 271 = PVC
- 272 = PP
- 273 = PVDF
- 274 = PE-HD

Type

T= with terminals for external test button

Trigger point

measured as of sealing surface, L =

02 = 150 mm	08 = 450 mm	14 = 750 mm
03 = 200 mm	09 = 500 mm	15 = 800 mm
04 = 250 mm	10 = 550 mm	16 = 850 mm
05 = 300 mm	11 = 600 mm	17 = 900 mm
06 = 350 mm	12 = 650 mm	18 = 1000 mm
07 = 400 mm	13 = 700 mm	

Example:

MAXIMAT C	N	4	6	31	T	L = 04	Special length = mm
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MAXIMAT C, 1 glass carbon sensor, PE-HD probe,
 adjustable PAC process connection BSP 2",
 with external test key. Length = 250 mm

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