

Compact Overfill Sensor MAXIMAT® VK C



- Float level detection
- For aggressive and non electrically conductive liquids
- Positive active alarm
- Auto diagnostic system and LED indication
- 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 non electrically conductive liquids, oils, emulsified, non-flammable, water endangering liquids; even highly aggressive liquids. It is a perfect instrument to detect fluid in a double wall tank. MAXIMAT VKC operates with liquids of specific weight from 0,7 g/cm³

PRINCIPLE

The transmitter MAXIMAT is designed to detect conductive liquids non electrically conductive. The detection results from position of a magnetic inside the float and a Reed contact.

The liquids may not generate deposit originating jamming of float. 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

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Compact Overfill Sensor
MAXIMAT® VK C

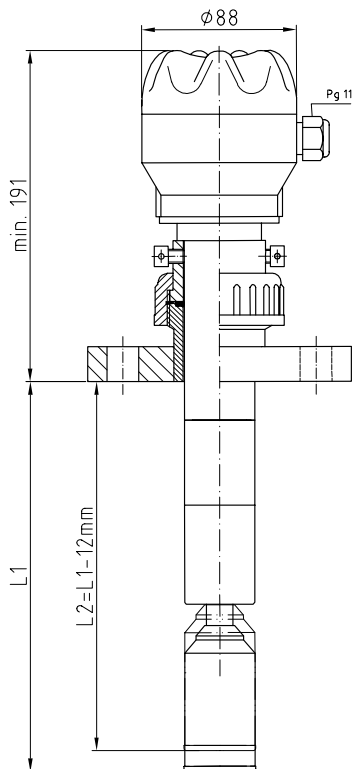
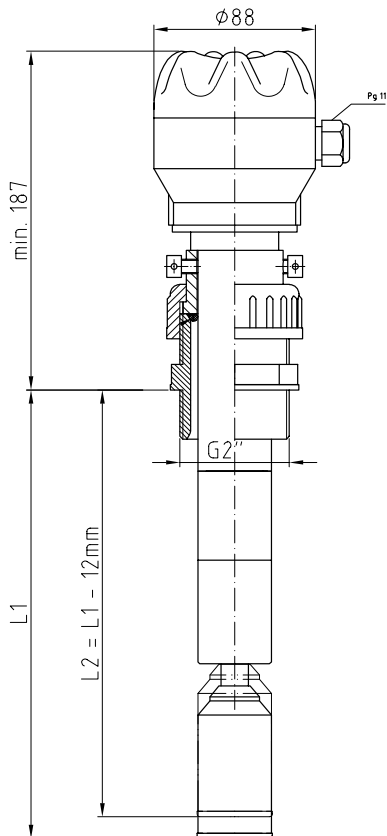
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DIMENSIONS



CODES AND REFERENCES

MAXIMAT VK C, 24V DC, overfill transmitter

Probe material

2 = PP

4 = PE-HD (standard)

Process connection adjustable height

Threaded BSP 2"

31 = PVC (standard)

32 = PP

Weld-on union BSP 2"

54 = PE-HD

52 = PP

Flange DN40 PN 10

451 = PVC

452 = PP

Flange DN50 PN 10

461 = PVC

462 = PP

Flange DN65 PN 10

471 = PVC

472 = PP

Process connection non-adjustable height

Threaded BSP 2"

14 = PE-HD

12 = PP (standard)

Flange DN40 PN 10

254 = PE-HD

252 = PP

Flange DN50 PN 10

264 = PE-HD

262 = PP

Flange DN65 PN 10

274 = PE-HD

272 = PP

Trigger point

measured as of sealing surface, L =

—	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 VK C	4	31	L = 04	Special length: L = ... mm
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MAXIMAT VK C, float detection level, PE-HD probe,
adjustable PCV process connection BSP 2",
Length = 250 mm

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