

Leakage detection probe MAXITOP LWC



MAXITOP LW C ZD

MAXITOP LW C ZK

- 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

APPLICATIONS

With its integrated positive safety converter, the MAXITOP is ideal to give an alarm when a leakage occurs in a double wall tank or retention basin.

MAXITOP LW C Z is convenient to use with any electrically conductive, non-flammable liquids, even highly aggressive liquids.

PRINCIPLE

The probe MAXITOP LW C is designed to detect conductive liquids with a reactance 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 LW C has 5 different possible transmissions:

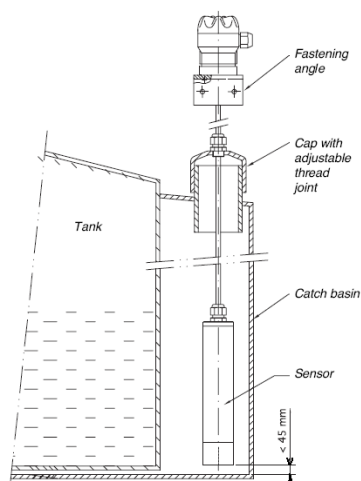
- Low voltage contact output (max. 50 V AC/DC, max. 0.5 A, max. 10 VA)
- Relay output to use with a CST device (data sheet 555-09)
- Relay output to use with a SHR relay (data sheet 555-06)
- Direct connection to a PLC
- Direct connection to an alarming unit TC4 (data sheet 555-07)

TECHNICAL FEATURES

Main power supply:	15 ... 26 V dc
Power consumption:	approx. 3 W
Ambient temperature:	-20 to +60 °C
Operating pressure	Atmospheric, Limits: 0.8 to 1.1 bar
Probe:	PEHD, diam. 40 mm or 25 mm
Cable:	6 m long as a standard, PVC, shielded, 7 x 0.5 mm ²
Terminal housing:	PBT, fibre glass reinforced, IP 65 acc. EN 60529
Terminals:	Screw connectors, IP 20; max. wire cross-section 2.5 mm ²
Switching point:	5 mm submerged end of probe as a minimum
Hysteresis:	2 mm approx.
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
556 300	MAXITOP-LW C ZK Ø 40	Leakage detection probe Ø 40 with fastening angle
556 305	MAXITOP-LW C ZK Ø 25	Leakage detection probe Ø 25 with fastening angle
556 310	MAXITOP-LW C ZK Ø 40	Leakage detection probe Ø 40 with covering cap
556 315	MAXITOP-LW C ZK Ø 25	Leakage detection probe Ø 25 with covering cap



BAMO MESURES

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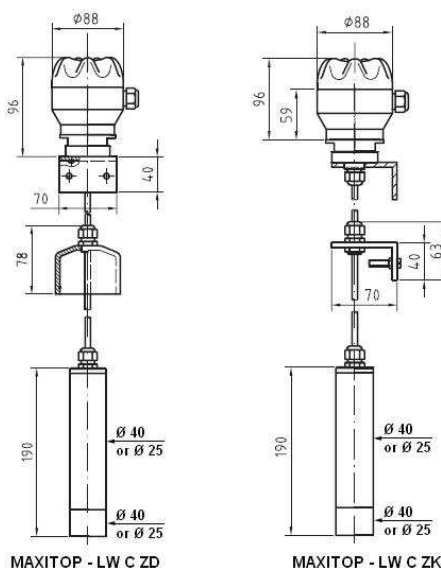
Fax: +33 (0)1 34 10 16 05 - <http://www.bamo.eu>

Leakage detection probe
MAXITOP

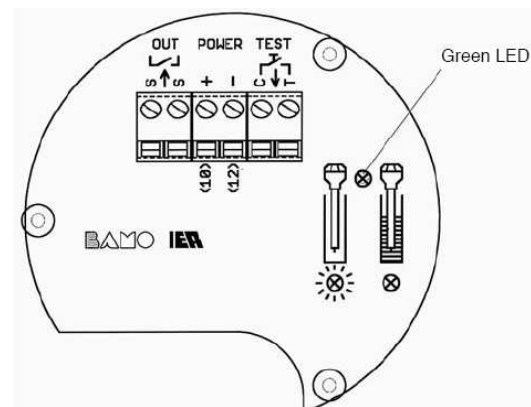
NIV

556-03

DIMENSIONS



CONNECTORS AND PCB



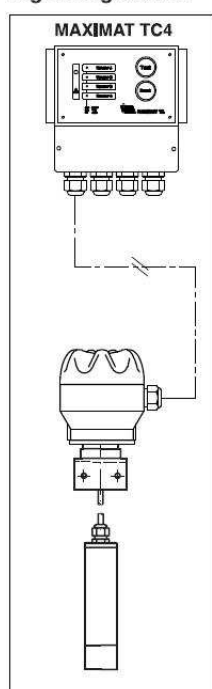
WIRING OPTIONS



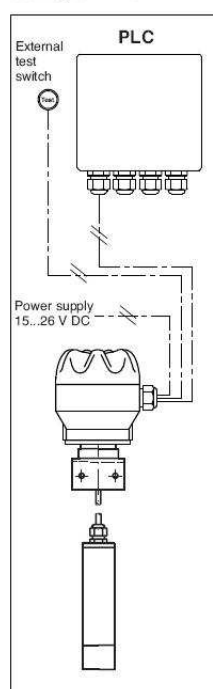
2 wires cable symbol

3 wires cable symbol

Using a TC4
signalling device



Using a PLC

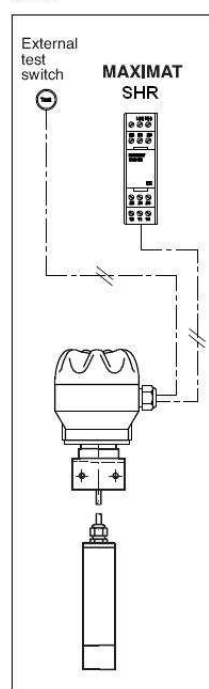


or

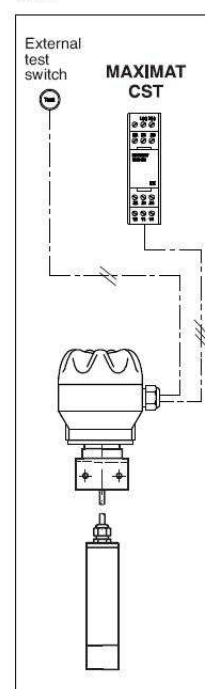
or

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 proper detection mode.

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