

Leakage detection probe MAXITOP – LW C



MAXITOP - LW C ZD

MAXITOP - LW C ZK

- Capacitive detection
- For aggressive and conductive liquids
- Positive active alarm
- Auto diagnostic system
- All composite materials construction
- 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. 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 4 different possible transmissions:

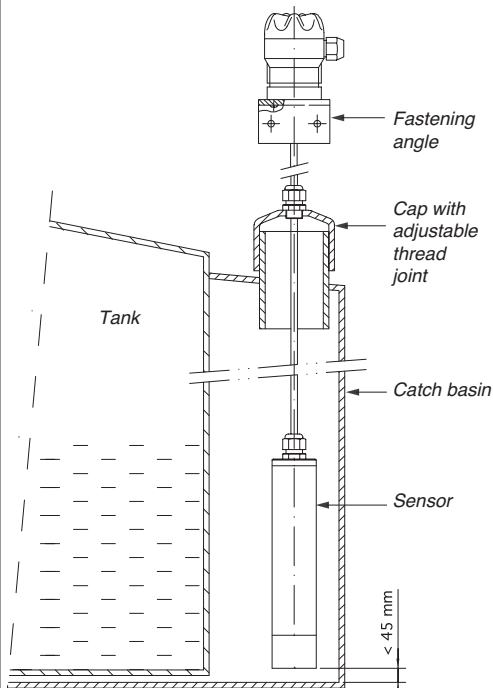
- Low voltage output (*max. 50 V ac/dc, max. 0.5 A, max. 10 VA*)
- Relay output in use with a **CST** device (*data sheet 555-09*)
- Direct connection to a PLC
- Direct connection to an alarming unit **TC4** (*data sheet 555-07*)

TECHNICAL FEATURES

Main power supply:	15 ... 26 V DC
Power consumption:	approx. 3 W
Ambient temperature:	-20 to +60 °C
Operating pressure:	Atmospheric / Limits, 0.8 to 1.1 bar
Stem:	PEHD, Ø 40 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 stem as a minimum
Hysteresis:	2 mm approx.
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	Designation
556 300	MAXITOP - LW C ZK	Leakage detection probe with fastening angle and adjustable thread joint
556 310	MAXITOP - LW C ZD	Leakage detection probe with cap and adjustable thread joint



BAMO MESURES

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Leakage detection probe
MAXITOP – LW C

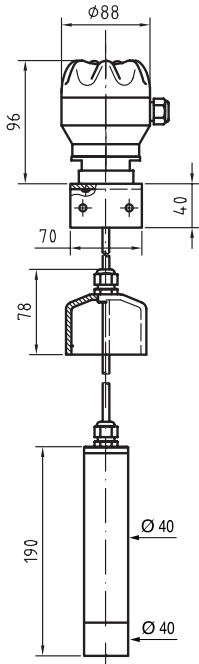
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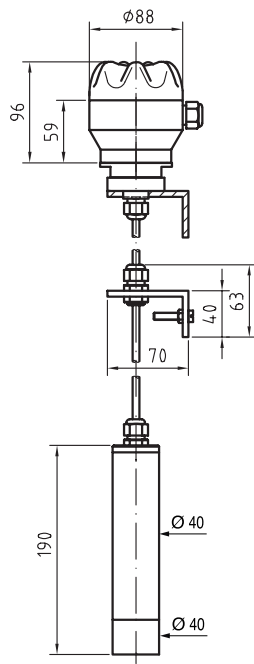
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DIMENSIONS

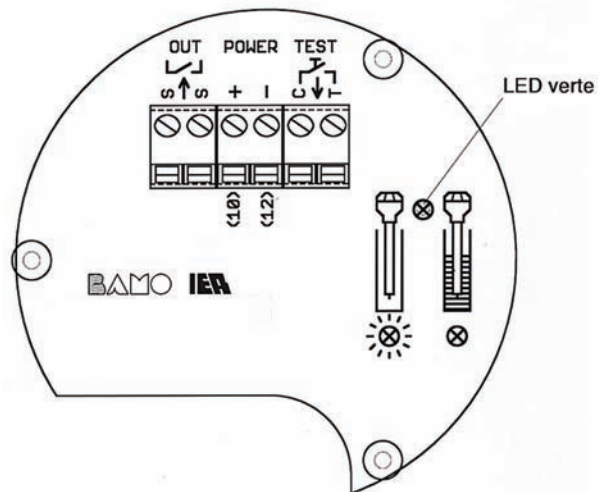


MAXITOP - LW C ZD



MAXITOP - LW C ZK

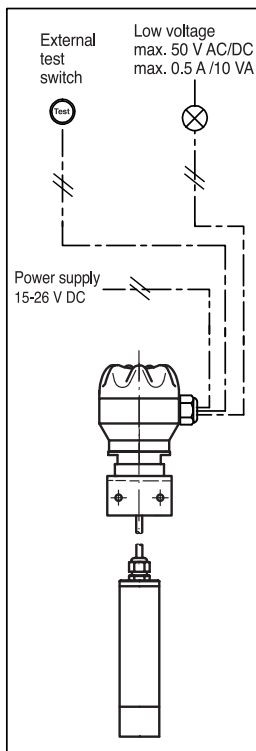
CONNECTORS AND PCB



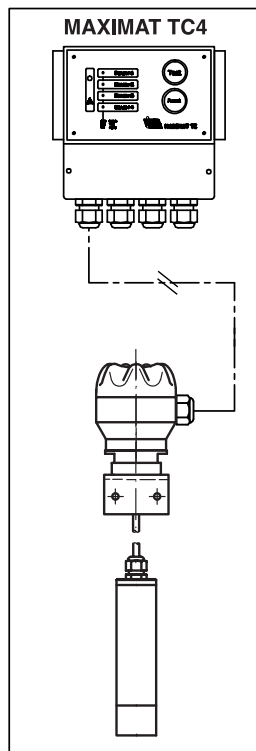
WIRING POSSIBILITIES



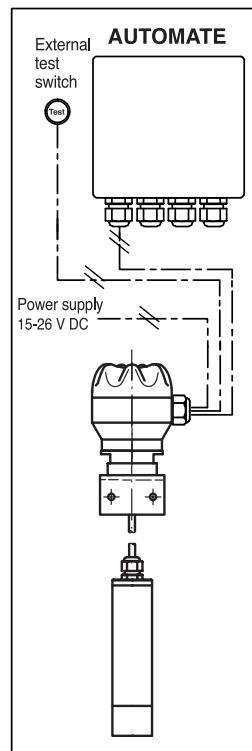
Using the built-in contact output



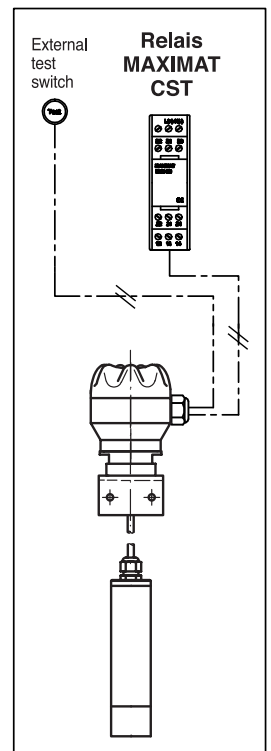
Using a TC4 signalling device



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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