

Leakage detection probe MAXITOP – LW C



- 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

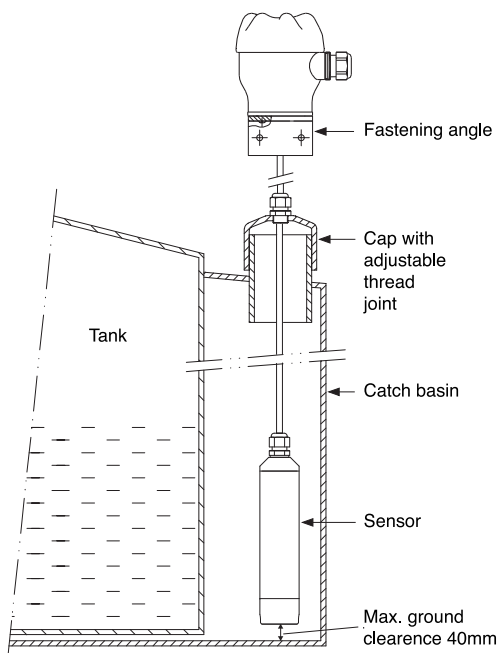
The probe MAXITOP LW C is designed to detect conductive liquids with a reactance up to 5 kOhm/cm and a coupling capacitance towards ground of more than 50 pF. The liquids may not generate electrical insulating or conductive deposit.

The MAXIMAT LW C has 4 different possible transmissions:

- Relay output in use with a **CST** device (*data sheet 555-09*)
- Relay output in use with a **SHR** device (*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...27 V DC
Power consumption:	< 1 W
Ambient temperature:	-20...+60 °C
Operating pressure:	Atmospheric / Limits, 0.8...1.1 bar
Stem:	PE, Ø 40 or Ø 25 mm
Cable:	6 m long as a standard, PVC, shielded, 5x0.34 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 (2004/108/EG)



CODE NUMBERS AND REFERENCES

Code	Reference	Designation
556 300	MAXITOP-LW C ZK Ø 40	Leakage detection probe with sensor Ø 40 mm, fastening angle with adjustable thread point
556 305	MAXITOP-LW C ZK Ø 25	Leakage detection probe with sensor Ø 25 mm, fastening angle with adjustable thread point
556 310	MAXITOP-LW C ZD Ø 40	Leakage detection probe with sensor Ø 40 mm, cap Ø 63 mm with adjustable thread point
556 315	MAXITOP-LW C ZD Ø 25	Leakage detection probe with sensor Ø 25 mm, cap Ø 32 mm with adjustable thread point

BAMO MESURES

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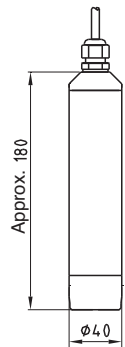
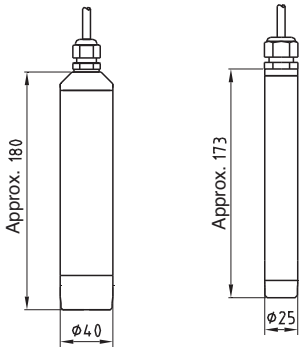
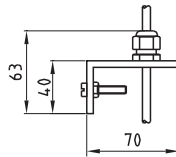
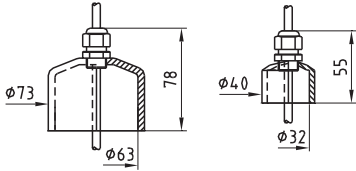
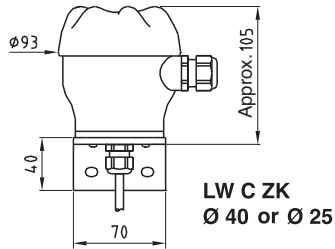
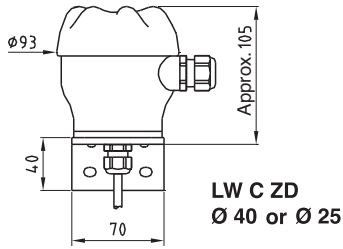
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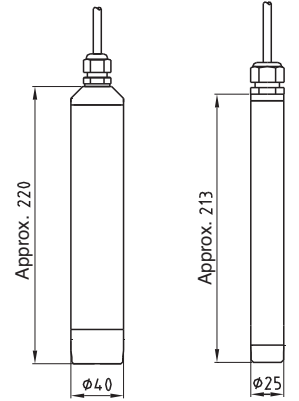
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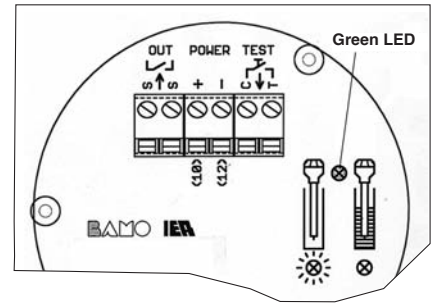
DIMENSIONS



Without junction box



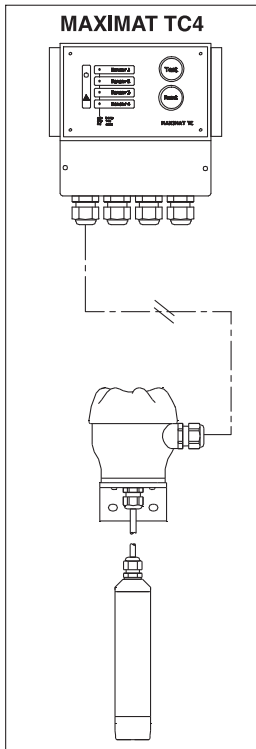
CONNECTORS AND PCB



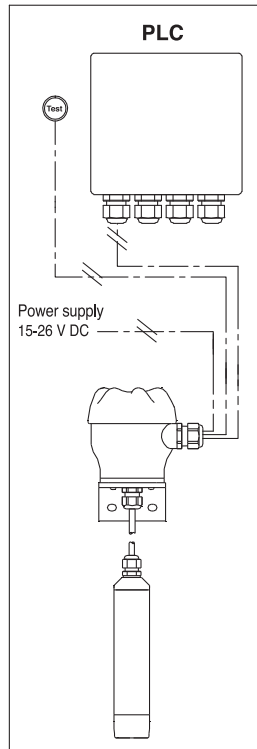
WIRING POSSIBILITIES



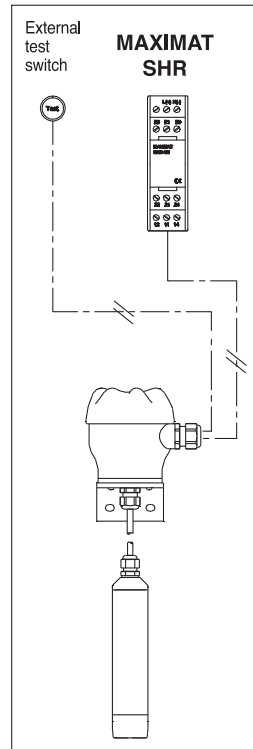
Using TC4 signalling device



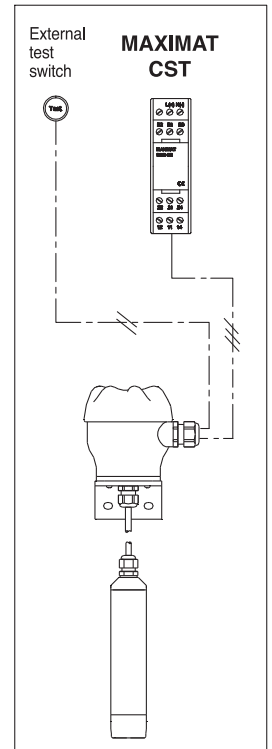
Using a PLC



Using SHR relay



Using CST relay



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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