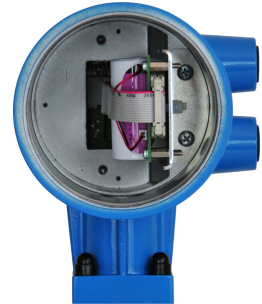


M-930 *Battery operated magnetic flowmeter*



Dimensions

Diameter DN [mm]	Length [mm]
10	150
15 - 80	200
100 - 125	250
150	300
200	350
250	450
300	500

Main features:

- Range of diameter 10 to 300 mm
- Compact version IP67, remote version sensor IP68
- Battery power supply
- Battery life 5 years (optionally 10 years)
- Empty pipe detection
- Manual control - two capacitive buttons
- Remote control - USB (Modbus)
- Graphic LCD display
- Programmable datalogger and real time as standard
- Pipe and electronic self diagnostic

Application:

- Water and wastewater flowrate and total volume measuring
- Irrigation, dewatering

Technical data

Nominal size	DN10 to DN300
Nominal pressure	PN10 to PN40 (depending on diameter)
Flow range	0.1 to 12 m/s (0.03 to 3000 m ³ /h)
Accuracy	0.5 % (0.5 to 12 m/s) of reading value 1 % (0.1 to 0.5 m/s)
Maximal medium temperature	0 to 80°C (32 to 176°F) for rubber liner 0 to 150°C (32 to 302°F) for PTFE liner in remote version
Ambient temperature	-20 to 60 °C (-4 to 140°F)
Power supply	Internal lithium battery 38 Ah (optionally 76 Ah)
Liner	<ul style="list-style-type: none"> • hard rubber • PTFE
Electrodes	<ul style="list-style-type: none"> • CrNi (stainless) steel 1.4571 • Hastelloy C276 • Tantalum
Measuring tube	Stainless steel 1.4201, dimensions according to DIN 17457
Flange	Steel 1.0402 or higher Dimensions according to EN1092, DIN2501 (BS 4504), ANSI B16.5, Sanitary (DIN11851 or Tri Clamp)
Protection category	Compact version: IP67 Remote version: sensor IP68, converter IP65 (optionally IP67)
Communication	USB (Modbus)
Displayed values	<ul style="list-style-type: none"> • Flowrate (m³/h, l/s, US.Gal/min, Imperial.Gal/min user) • Volume (m³, l, US.Gal, Imperial.Gal, user) • Positive, total, negative and 2 auxiliary (clearable, daily) volume
Control	<ul style="list-style-type: none"> • Capacitive keyboard • USB (Modbus)
Low-flow cutoff	Programmable value
Time constant	Settable in range 1 to 20 s
Other features	<ul style="list-style-type: none"> • Test of excitation coils, status of pipe line and electronic unit • Empty pipe detection • Diagnostic of internal temperature and power supply voltages • Real time circuit for datalogging • Datalogger memory up to 100 000 values (programmable sample rate) • Registration of min. and max. flowrate including date and time • Sensor has third grounding electrode as standard
Conformity requirements	<ul style="list-style-type: none"> • LVD (safety) according to EN 61010-1, EN61010-1/A2 • PED according to directive 97/23/EC • EMC according to EN 61000 4-3, 4-8, EN 50081-1, EN61326-1

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