

FluidMetric

Product Description

Fluidmetric is a wireless device that uses a rugged ultrasonic sensor to measure the level of liquids inside silos or tanks.

Benefits

- + Easy to install, wireless.
- + Low maintenance.
- + Customization of the measuring frequency.
- + Powered with long last battery.




✓ Liquids

Data sheet

Measuring range	From 30 cm to 10 m.
Working temp. range	From -40° up to +65°.
Voltage	Lithium Battery · 7,2 V · 19.000 mAh.
Battery life	Measures every 2 h: Up to 5 years.
Sensor	Ultrasound with robust PVC housing which meets the IP67 water.
Accuracy	+/- 3 mm.
Measuring frequency	Every 2 h. Customizable.
Case	IP65. High density polypropylene. UV protection. Size: 335 x 120 mm.
Communication	Wireless. Radiofrequency, free band depending on the country: 443MHz, 868Mhz, 905Mhz, 922Mhz ...
Data	<ul style="list-style-type: none"> • The data measured by the Fluidmetric can be visualized in the web DIGITPLAN. • Data Export to a .xls file. • Data integration with other systems using a Web Service and Modbus protocol. • Data visualization with Panel View Pi-100.

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Optionals

Reading Frequency

Customization on request.
External power supply needed if continuous reading required.

IP68

Fluorosilicone treatment around the sensor with an addition back up FET Teflon for more chemically inert selling.

Corrosive protection

Praylene coating around the transducer to prevent corrosion.

Installation

Drill a hole in the superior part of the bin, we recommend to use a 40mm drill crown. Place the **rubber gasket (3)** under the **support kit (2)**. Make sure that the **Fluidmetric (1)** will be focusing the center of the silo before fixing the **support kit (2)**. Use the screws provided to fix the support. Place the **Fluidmetric (1)** through the support kit, place the **packing rings (6)** between the support and the **Fluidmetric (1)**. Finally fix the **screws (5)** adjusting the correct inclination.



Check the **Mounting Manual** for more detailed information.
No need of activation, device ready to use.

Fluidmetric parts



- ① Fluidmetric Device
- ② Support kit
- ③ Rubber gasket
- ④ Autodrilling screws.
- ⑤ Inox M-6 screws
- ⑥ Inox M-6 packing rings

Certifications



MCSsystems declares under our sole responsibility that the aforementioned product complies with the applicable requirements of the EC Directive and the current standards.