

# SiloMetric



## Product Description

**Silometric LM** sensor uses laser technology to measure the level of solid material inside silos and bins.

 SiloMetric®

 Solid Materials


Easy to install,  
wireless

Low maintenance

Customization of the  
measuring frequency

Powered with long  
last battery

## Data sheet

Model	LM-1	LM-100 <span style="border: 1px solid black; padding: 2px;">INDUSTRIAL</span>
<b>Material</b>	 Solid materials, not recommended in dusty environments.	
<b>Measuring range</b>	Up to 10 m.	Up to 40 m.
<b>Working temp. range</b>	From -15° to + 55°.	
<b>Voltage</b>	Lithium Battery 7,2 V. Capacity 19.000 mAh.	Lithium SAFT Battery 7,2 V. Capacity 19.000 mAh.
<b>Battery life</b>	<p><b>Measures every 2 h:</b> Up to 4 years.</p> <p><b>Measures every hour:</b> Up to 2 years.</p> <p><b>Continuous:</b> not recommended with battery</p>	
<b>Sensor</b>	Class II laser, <1mW, 635 nm.	
<b>Accuracy</b>	+/- 3mm.	
<b>Measuring frequency</b>	Every 2 h. Customizable.	
<b>Case</b>	IP65. High density polypropylene. UV protection.	
<b>Communication</b>	Wireless. Radiofrequency, free frequency bands: 433 Mhz, 868 Mhz, 905 Mhz, 922 Mhz, depending on the country.	
<b>Data</b>	<ul style="list-style-type: none"> <li>• The data measured by the Fluidmetric can be visualized in the web DIGITPLAN.</li> <li>• Data Export to a .xls file.</li> <li>• Data integration with other systems using a Web Service or Modbus protocol.</li> <li>• Data visualization with Panel View Pi-100.</li> </ul>	
<b>Dimensions</b>	335 x 120 mm.	

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## Optionals

### Continuous reading

Customizable reading.

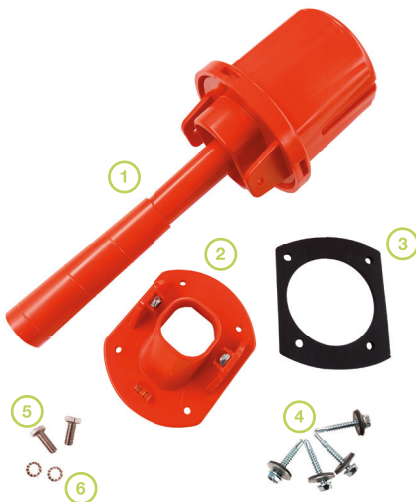
12V power supply is required in continuous reading.

## 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 **Silometric (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 **Silometric (1)** through the support kit, place the **packing rings (6)** between the support and the **Silometric (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.

## Silometric parts



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

## Certifications



**MCSystems** declares under our sole responsibility that **Fluidmetric** complies with the applicable requirements of the EC Directive and the current standards.



None of our products contains lead.