

# SiloMetric Radar



## PRODUCT OVERVIEW

**Silometrics RM** is a wireless sensor using radar technology for level measurement of solids in silos, bins and tanks. Specially designed for powdery materials.


**SiloMetric®**

- ✓ Solids
- ✓ Powdery materials

Easy installation,  
no wiring

Maintenance free

Customizable reading  
frequency

Long battery life

## TECHNICAL SPECIFICATIONS

Model	RM-1
Product type	✓ Product type Solids, recommended for powdery products.
Measuring range	Up to 10 m.
Working temperature	From -40° to + 85°
Power supply	7.2 V Lithium battery. Capacity of 8.500 mAh.
Battery life	<b>Reading every 2 hours:</b> Up to 4 years. <b>Reading every hour:</b> Up to 2 years. <b>Continuous:</b> not recommended with battery.
Sensor	60 GHz Radar.
Accuracy	+/- 5 mm.
Measurement	Programmed readings every 2 hours. Possibility of customization.
Housing	IP65. High density polypropylene, reinforced with fiberglass. UV treatment.
Type of communications	Wireless. Radio frequency, free band use: 443 MHz, 868 Mhz, 905 Mhz, 922 Mhz, according to country.
Data	<ul style="list-style-type: none"> <li>• Silometric readings can be consulted on the Digitplan web platform from any electronic device with an Internet connection. any electronic device with Internet connection.</li> <li>• Possibility of exporting the data to a file in .xls format.</li> <li>• Possibility of obtaining data through a web service or through Modbus protocol.</li> <li>• Possibility of data visualization in Panel View Pi-100, in local mode.</li> </ul>
Dimensions	275 x 120 mm.

SILOMETRIC RADAR · Data sheet · Review October 2022

## OPTIONALS

### Continuous measurement

Customized time between readings on request.

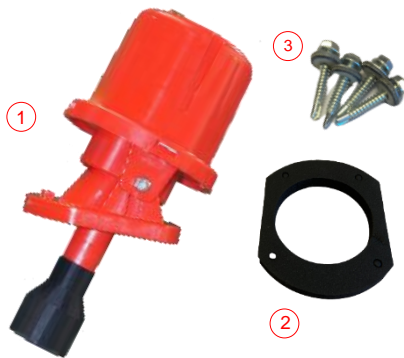
12V power supply in case continuous readings are required.

## INSTALLATION

Drill a hole in the upper part of the tank, it is advisable to use a drill with a 51 mm bit. Adjust the **rubber gasket (2)** on the lower part of the **support**, screw the **support** tightening it on the hole, presenting the **Silometric device (1)** with the inclination that we will have to mount it. Mark the position of the **support** with a pencil and mount it with the self-drilling screws. Place the **Silometric device (1)** inside the support, interpose the washers between the **Silometric device (1)** and the **support**, finally screw it with the screws, adjust the inclination and tighten to fix it.

Consultar el **Manual de Instalación** para información más detallada.  
No requiere puesta en marcha, programado de fábrica.

## ASSEMBLY KIT



- |   |                                  |
|---|----------------------------------|
| ① | Silometric Device                |
| ② | Rubber seal                      |
| ③ | 4.8 x 32 mm self-drilling screws |

## Certificates



MCSsystems declares that the **Silometric** product complies with current regulations and standards.



None of our products contain lead.

