

LR-MS-ECO

LoRa™ Solar Sensor Module with Turbine Option

The LR-MS-ECO is a waterproof, battery-powered data acquisition module compatible with various sensors. It also features a rechargeable battery powered by a photovoltaic panel or turbine to extend the autonomy of the 9V battery. It can connect to a wide range of sensors, including weather probes (rain, air humidity, wind speed and temperature), water meters, soil moisture probes, tensiometers, level probes and many more. From the MySOLEM.com platform, you can view and extract your data and automate your watering based on the thresholds you have defined for each sensor.

Compatibility



Sensor Inputs

1/4

Power



Connection



Range to gateway

0.5* miles

Distance to sensor

100 ft

Managed via



*Range up to 0.5 miles. Coverage may vary depending on installation setup.

INSTALLATION

Rain sensor, anemometer,
humidity etc. connexion
Compatible with water meter
with pulse sensor (max.499Hz)
1 PT100 temperature input (LR-MS4)
Operating temperature: -4°F to 140°F

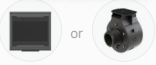
FONCTIONNEMENT

100% waterproof (rated IP68)
9V 6AM6 or 6LR61 alkaline battery
Bluetooth® Smart 4.0 Low Energy
Communication using LoRa™ radio signal
Internal clock back-up in case of power
failure < 30s

DIMENSIONS

Width: 5.5 in
Height: 3.5 in
Depth: 2.2 in

3-year
WARRANTY



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Requires a 4G or Wi-Fi gateway



Easy To Install

Quick to install, it requires no cables to be pulled or trenches to be dug. It is easy to use via the MySOLEM app and platform (iOS/Android).



Water consumption Control

Thanks to the various probes compatible with the LR-MS-ECO (moisture probe, tensiometer, hygrometer, water meter, rain gauge, anemometer, level probe, etc.), you can easily water in the right amount and at the right time.



Rechargeable Battery

Use the photovoltaic panel or turbine to recharge your module's internal battery and extend the life of the 9V battery (between 2 and 3 years): save money and protect the planet!



Irrigation Automation

Thanks to the features of the MySOLEM platform, automate the stopping and resuming of your watering using the thresholds you have set on your sensors and the actions defined in case of exceedance. Water at the right time!



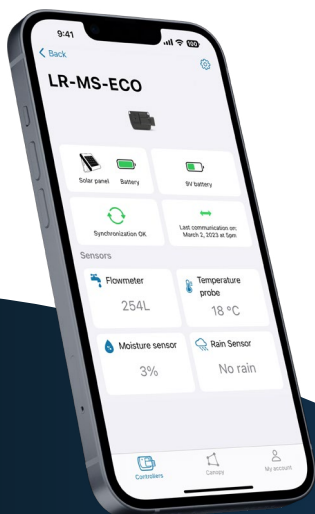
Compact Solution

By combining the LR-MS-ECO with the turbine, optimise the space in your valve boxes.



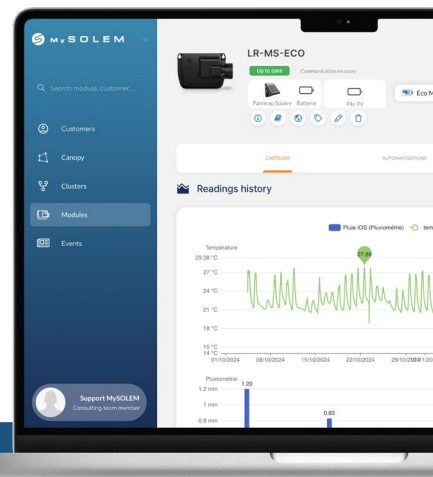
Real-time Measurement

Access your probe data in real time on the MySOLEM application and platform.



MySOLEM

Install. Program. Automate.



For professionals, discover additional features on our free us.MySOLEM.com platform.