

Datalogger Mini

The heart of agricultural monitoring

Smart connectivity for your crops

The **Cesens Mini Datalogger** is a compact device designed to collect, process and transmit data from sensors installed in the field. It acts as the core of the monitoring system, converting environmental measurements into useful information for agronomic decision-making.

Thanks to **GSM, NB-IoT and LoRaWAN connectivity**, it adapts to different communication environments, ensuring reliable data transmission even in remote agricultural areas.

The system **automatically sends data every 15 minutes**, providing updated information on the Cesens platform almost in real time.

The Mini Datalogger includes **4 sensor connectors**, enabling the creation of compact monitoring stations to track crop conditions.

Key advantages

- ✓ **Flexible connectivity**
GSM, NB-IoT and LoRaWAN, adapting to different communication infrastructures.
- ✓ **Plug & Play installation**
Features 4 sensor connectors compatible with most sensors on the market.
- ✓ **Automatic data transmission**
Data is sent every 15 minutes to ensure up-to-date information.
- ✓ **Solar panel with built-in battery**
Includes an integrated solar panel, enabling continuous operation without maintenance.

Applications

The Cesens Mini station is a key tool for multiple applications:



Weather monitoring



Soil monitoring



Predictive models for pests and diseases



Smart irrigation systems

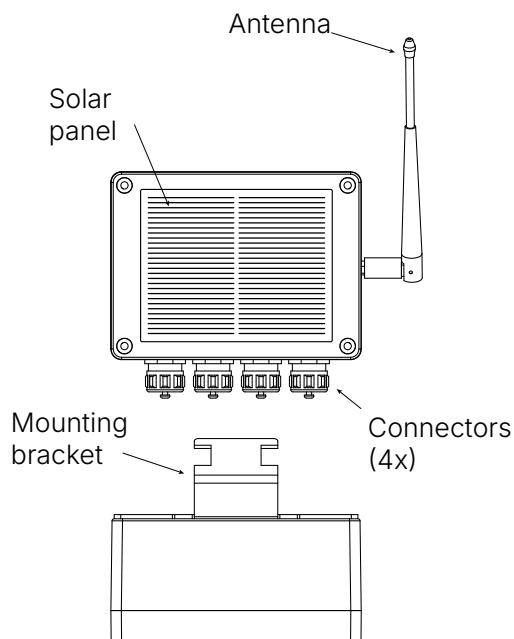




Integration with the Cesens ecosystem

The **Mini Datalogger** transmits sensor data directly to the **Cesens platform**, where it can be visualized in real time, analyzed historically and used to feed **agronomic models and alerts**.

This makes it possible to transform field measurements into **valuable information for improving crop management**.



Technical specifications

Dimensions	120 × 60 × 90 mm
Weight	550g
Operating temperature	-20 to 65 °C
Protection rating	IP65
Number of connectors	4
Power supply	Integrated solar panel