

Rain Gauge

Tipping bucket rain gauge

Reliable Rainfall Measurement

The **Cesens Rain Gauge** is designed to accurately measure precipitation directly in the field. Rainfall data is essential for understanding crop water balance and optimizing irrigation management.

In addition to monitoring weather conditions, precipitation data plays a key role in **agronomic and predictive models for crop diseases**, since many pathogens develop or spread through rainfall.

Thanks to its robust design and seamless integration with Cesens monitoring systems, the rain gauge provides **reliable, continuous data that supports better field decision-making**.

Key Benefits

- ✓ **Integrated bird spike protection**
Built-in spikes prevent birds from interfering with sensor readings.
- ✓ **Quick installation and easy maintenance**
Direct access to the cup allows fast, thorough and hassle-free cleaning.
- ✓ **Integrated level for a perfect installation**
Ensures perfectly level placement to maintain calibration accuracy.
- ✓ **Removable solid particle filter**
Stops debris blocking the funnel, enabling easy cleaning without disassembly.

Applications

Cesens Rain Gauge is a key tool for multiple applications:



Field rainfall monitoring



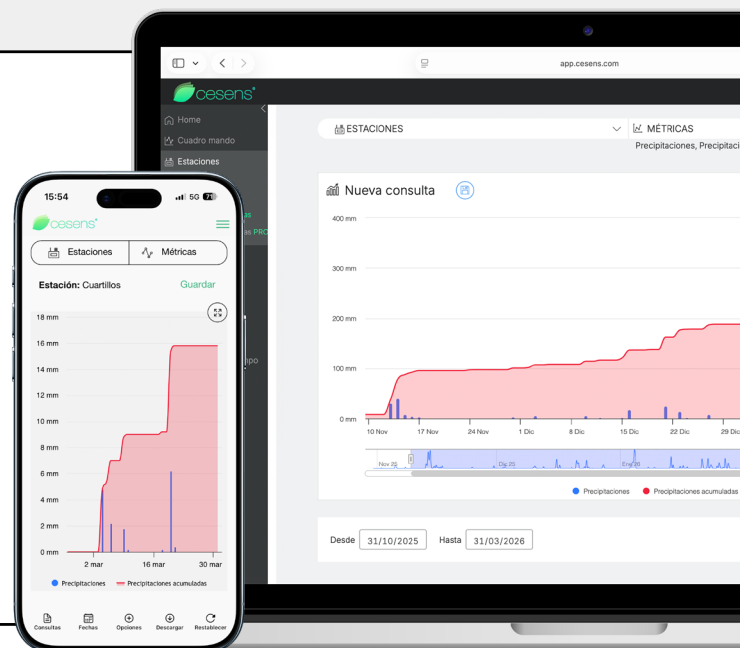
Crop water balance calculation



Disease prediction models



Irrigation optimization

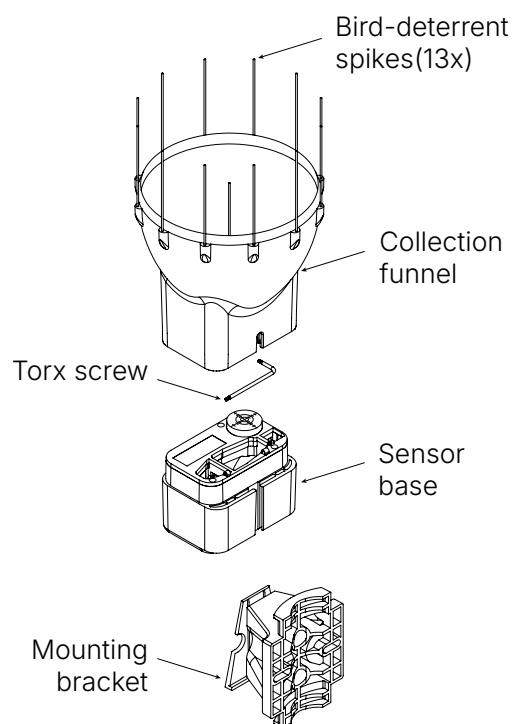




Integration with the Cesens Ecosystem

When connected to a **Cesens datalogger**, the rain gauge records and analyzes rainfall events in real time through the Cesens platform.

This data is combined with other environmental variables to **better understand crop conditions and feed agronomic models**, helping anticipate risks and optimize management decisions.



Technical Specifications

Dimensions	164.5 × 164.5 × 217.67 mm (without spikes)
Weight	880g
Metric	Precipitation
Collection Area	200 cm ²
Resolution	0.2 mm per tipping bucket
Accuracy	±5%