

PLUVIO PRO

Product code: 002591



Main features

- Precipitation height measurement
- Small size
- Operates without power supply
- Easy maintenance

PLUVIO PRO is a rain gauge that measures the height of liquid precipitation collected on the ground. When the spoon's increment capacity is reached, it tilts abruptly, briefly closing the electrical circuit and spilling its contents outside. The spoon immediately returns to its filling position, and the operation is repeated when it is full again. Each tilt creates an impulse that quantifies the height of the water.

PLUVIO PRO is a rain gauge designed to measure liquid precipitation.

Easy maintenance

PLUVIO PRO is easily installed on the solar generator box of a PULSIANE station or on the support arm of a PZERO station. The cone is easily removed for quick access to the spoon during maintenance operations.

The cone orifice is specially drilled to limit clogging.

For all climates

PLUVIO PRO is made of molded thermoplastic, commonly known as ASA, which provides exceptional durability and resilience against various environmental factors.

ASA is highly resistant to the sun's damaging UV rays, as well as extreme temperatures, including frost and heat. This ensures that the rain gauge can withstand

and perform reliably in any climatic conditions, making it a reliable choice for accurate rainfall measurement. .

Data processing

By connecting the **PLUVIO PRO** to a P4-100 or PZERO datalogger, data can be communicated to a data server.

Data can then be consulted on the PULSOWEB platform in the form of graphs or tables.

Technical specifications

Measurement

Measuring principle	Tipping bucket (single)
Resolution	0.2 mm per pulse
Accuracy	± 2%

Generated data* (WMO compliant)

Rainfall (mm)
Intensity of rainfall (mm/h)
Maximum rainfall (mm)
Intensity-corrected rainfall over 3 hours (mm)
Intensity-corrected rainfall over 6 hours (mm)
Intensity-corrected rainfall over 12 hours (mm)
Intensity-corrected rainfall over 24 hours (mm)
Intensity corrected rainfall from 06:00 to 05:59 GMT (mm)

*Data generated by the data logger P4-100

General

Cone material	ASA (Styrene Acrylo-
Operating temperature	-40°C to +70°C
Dimensions	Ø225 x 320 mm
Receiver cone	200cm ² size
Weight	380 g
UC P4-100 compatible connector	M12, IP67

