Professional Meteorological Station

PULSIANE

LowPower
Technology

Main features

○ Durable

○ Automatic

○ Energy self-sufficient

○ Easy to install

○ Waterproof connectors

○ Multiple sensors can be added

PULSIANE is a robust automatic weather station that caters to the needs of agriculture, industry, smart building, and environmental engineering. It is easy to install and can be equipped with a wide range of sensors, offering versatility and adaptability to various applications

Robust and autonomous

With its solar panel and battery, **PULSIANE** ensures a year-round supply of energy to the station. Its waterproof connectors and self-sufficiency in power allow for installation in complex operating environments.

Easy to install

PULSIANE can be easily mounted on a 50mm outer diameter tube. Sensors can be mechanically fixed directly on the robust aluminum cast solar generator box or through mounting poles. The P4-100 datalogger, the electronic core of the station, is installed inside the enclosure.

PULSIANE is delivered pre-configured, greatly simplifying field installation. PULSONIC can provide a multi-operator SIM card for data communication.

« Plug and Play » sensors

The sensors are connected to **PULSIANE** through a digital field network, ensuring measurement accuracy throughout the chain. This network allows for easy expansion of measurement points by simply adding sensors. Extensions and maintenance operations are facilitated thanks to the "Plug & Play" sensors that are automatically recognized by **PULSIANE**.

PulsoWeb

PULSIANE automatically communicates its data for access on the PulsoWeb web portal, making the data readily available.

In summary, **PULSIANE** is a robust and autonomous weather station with easy installation and automatic data communication!

Technical specifications (variable depending of the configuration)

ALIZIA 150 : Wind at 2 meters

Speed

Measuring range	0 to 60 m/s
Start threshold	0,5 m/s
Maximum	80 m/s
Precision	± 0.5 m/s from 0 to 10 m/s
	± 3% of reading above 10 m/s

Direction

Measuring range	0 to 180 °
Precision	± 5%

Global radiation: RG100

Measuring range	10 to 1300 W/m²
Precision	± 15%
Spectral range	400 to 1100 nm

TH-0155 : Thermo-hygrometer

Air humidity under shelter

Measuring range	0 to 100%
Precision	± 3%
Accuracy	1%

Air temperature under shelter

Measuring range	-30 to +50°C
Precision	±0,3°C

Humectation

Principle	Capacitive
Elaborated data	Wetting time

Rain gauge PRO

Collection area	200 cm²
accuracy	0,2 mm per pulse

Dimensions (mm)

Ø 50 (ext. diameter)

Data logger P4-100

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