



Product advantages

- Robust
- Energy-independent
- Simple to install
- Waterproof connectors
- Ability to add numerous sensors
- Various means of communication
- Compatible with agricultural modeling software

The automatic weather station PULSIANE IV is the newest of the PULSONIC station. More robust than its predecessors, it meets the needs of agriculture industry, intelligent building or environmental engineering.

Robust and autonomous

Its solar panel combined with its battery ensures the station the energy supply needed all year long. With its waterproof connectors and energy autonomy, PULSIANE IV can be installed in harsh operating environments.

Easy to install

PULSIANE IV is easy to install on a tube of 50 mm external diameter. The sensors are mechanically fixed directly onto the tank made of cast aluminum or through poles. The central unit or the electronic heart of the system is confined in a dehydrated box, IP65 and fixed in the tank.

A variety of extended media

PULSIANE IV can communicate with the GSM network, GPRS or even using a long-distance radio communication (800m).

« Plug and Play » sensors

The sensors are connected to the PULSIANE IV by a digital network to ensure the precision throughout the acquisition chain. This network extends the number of measurement points by a simple addition of sensors. Extensions and maintenance operations are facilitated thank to the "plug and play" sensors which are automatically recognized by PULSIANE IV.

Compatible with agricultural modeling software

The data collected by the station can be transferred to the PULSOWIN software which allows to visualize or export its to an agricultural modeling applications. PULSIANE IV is compatible with MILEOS.



Synoptic summary of communication



Technical data

Features

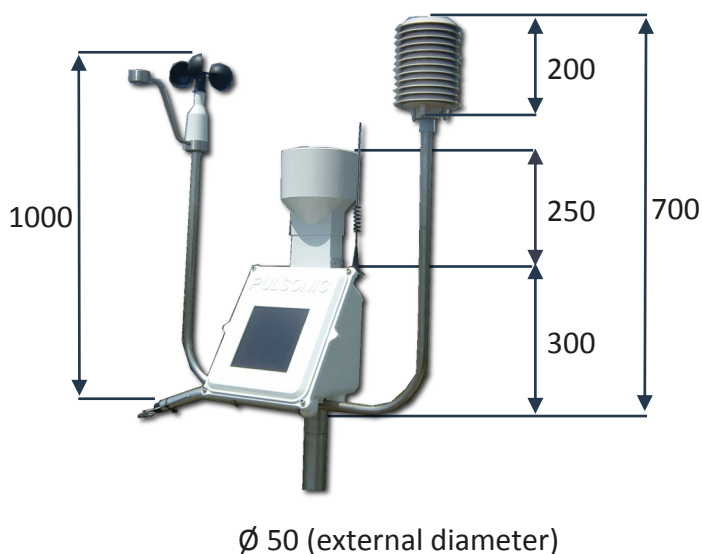
Sensors	Daily data	Hourly data	Period
Temperature (Air and ground)	Minimum, maximum, average	Instantaneous, minimum, maximum	
Relative humidity (RH)	Minimum, maximum, average Time of wetness: $t > 90\%$, $80\% < t < 90\%$, $t < 40\%$	Instantaneous, minimum, maximum Time of wetness : $t > 90\%$, $80\% < t < 90\%$, $t < 40\%$	1 mn
Precipitation	Accumulation, rain max 6 mn	Cumulative height	N/A
Wetness	Duration	Duration	1 mn
Wind speed	Maximum, past wind	Maximum, average, past wind	10s
Wind direction	Direction of maximum	Direction of maximum, average	10s
Radiance	Accumulated	Accumulated	1 mn
Tensiometer	Average	Instant	10 mn

Other sensors can be added after technical study

Communication

Wireless	GSM
	GPRS
	Long-range radio
Wired	RS 232
	RTC

Dimensions (mm)



Software

Data concentrator

PULSOWIN Junior	1 station (RR, TT, UU, RH)
PULSOWIN Professionnel	1 station (all parameters)
PULSOWIN Multistations	Up to 100 stations

Business applications

Sum of temperatures
Compass Rose
Late blight of potato
Apple scab
Downy mildew
Mildew and botrytis onion
Stemphiliium of asparagus
PET

Did you know ?

PULSONIC can concentrate PULSIANE 4 GPRS data on its cloud system, www.pulsoweb.eu. All data are available 24/7 by one or several users with a secure access from everywhere in the world.

www.pulsonic.net



Stations



Sensors



Software



Services

48, rue de Versailles
F-91400 Orsay
FRANCE

Tel : +33 (0) 1 64 46 34 10
Fax : +33 (0) 1 64 46 25 22
E-mail : info@pulsonic.net

