

# Pulsiane III

## Digital automatic weather station

The new weather station *Pulsiane III* is fully digital.

The sensors are linked to *Pulsiane III* by a digital field in order to maintain accuracy along the data line. This network increases the number of data channels by an addition of sensors.

Extensions, maintenance operations are made by "Plug and play" sensors, and are automatically recognized by *Pulsiane III*.

The air temperature and humidity are measured by thermo-hygrometer. If it is necessary to change the sensor, you need just to disconnect it in the radiation shield, because the sensor's set-up will be transmitted to *Pulsiane III* by the digital network.

The meteorological data are consulted by the *Pulsiane III* display .



*Pulsiane III* settles very easily with its solar power supply. *Pulsiane III* can resist to an hard environment because of its strong structure

*Pulsiane III* can be used with most of agro meteorological applications.



### Data collection :

First of all, if *Pulsiane III* is not too far from your computer, the integrated radio-digital link will collect the data.

Secondly, if you want to use it with a longer distance, or with many weather stations, phone link or GSM will be able to do it.

### Measurements :

Measurements	Daily data	Hourly data	Period
Temperature	Minimum, maximum, average	Instantaneous, minimum, maximum	1mn
Humidity	Minimum, maximum, average Humidy duration: t>90%, 80%<t<90%,t<40%	Instantaneous, minimum, maximum Humidy duration: t>90%, 80%<t<90%,t<40%	1mn
Rainfalls	Cumulated rain, 6mn, max rain	Cumulated rain, 6mn, max rain	NA
Leaf wetness	Duration	Duration	1mn
Wind speed	Maximum, cumulated	Maximum, average, cumulated	10s
Wind direction	Direction of maximum	Direction of maximum, average	10s
Radiation	Cumulated	Cumulated	1mn
Tensiometer	Average	Instantaneous	10mn

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