

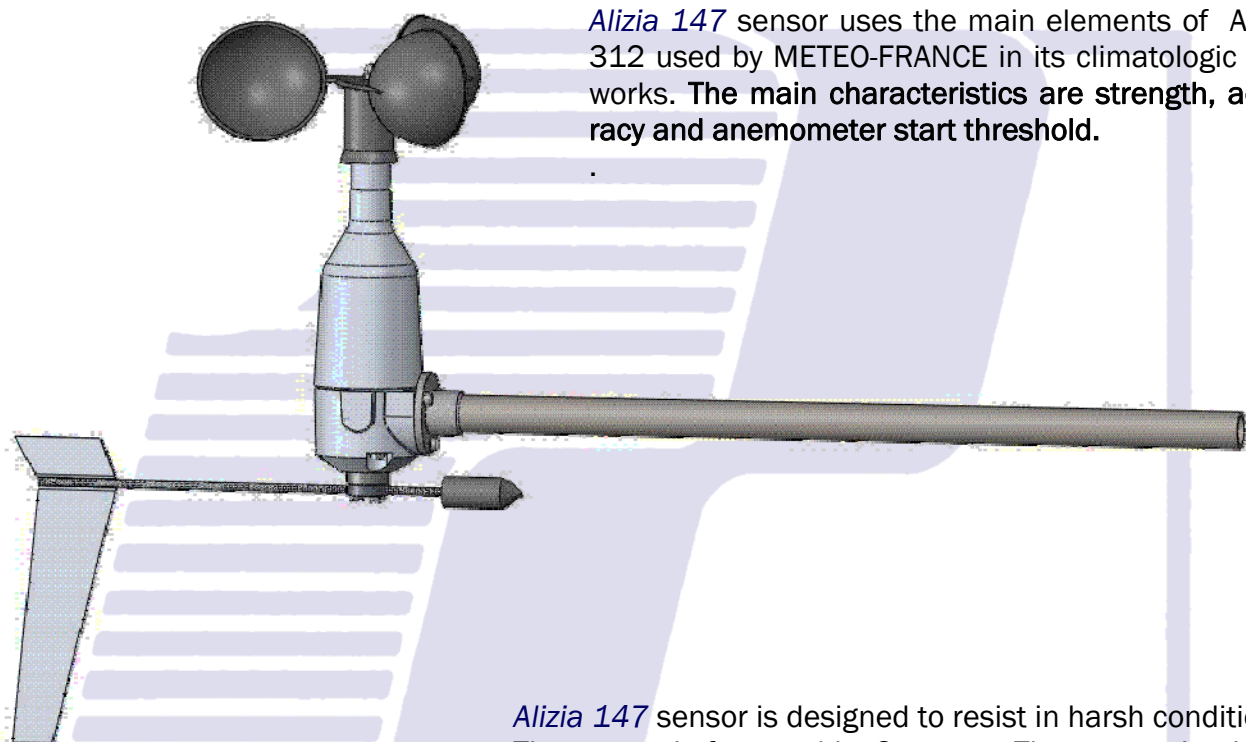
# Alizia 147

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## **Combined wind speed and direction sensor with 4-20mA integrated transmitter**

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Alizia 147 combined wind speed and direction sensor is an accurate sensor with an integrated transmitter. It delivers directly currents varying from 4 to 20 mA. Optionally a solar radiation sensor can be added



*Alizia 147* sensor uses the main elements of *Alizia 312* used by METEO-FRANCE in its climatologic networks. The main characteristics are strength, accuracy and anemometer start threshold.

*Alizia 147* sensor is designed to resist in harsh conditions. The sensor is fastened by 3 screws. The connection is realised by one multi-wire cable protected from the external environment by one fixing arm .

*Alizia 147* sensor allows easy connecting of display, programmable controller, data logger.



*Alizia 312*



*Display 1022-1*

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FRANCE

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# Characteristics

## Wind speed

Range : 0-60m/s  
Maximum: 60m/s  
Start threshold: 0,5m/s  
Distant constant: 3,6m  
Accuracy: 0,5m/s range 0 - 10m/s  
3%(\*) range 10 - 60m/s  
Output : 4-20 mA for 0-60m/s

## Wind direction

Range: 10-350°  
Accuracy: ±5 degrees  
Output: 4-20 mA for 0-360°

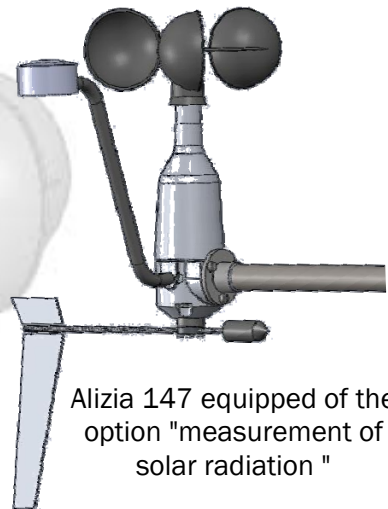
## Solar radiation\*\*

Range: 0-1kW/m<sup>2</sup>  
Spectral range: 400-1100nm  
Accuracy: ±15%  
Output: 4-20 mA for 0-1kW/m<sup>2</sup>

## General:

Power supply: 7 to 24Vcc  
Maximum consumption: 65mA  
Sizes: h: 392 mm - ø: 170 mm  
Scan radius: 180 mm  
Materials: Body aluminium  
Cup in polyamide  
Using range: -20 to +70 °C  
Weight: 800 g  
Fixing: 3 screws TH4

(\*) of the read value  
(\*\*) optionally



Alizia 147 equipped of the option "measurement of solar radiation "

Connecting	
Wires colour	Designation
red	+ power supply 7 to 24V
blue	+speed
yellow	+direction
colourless	+radiation
screen	Return measurements and power supply



Clamp for wall fixing

## Composition of the equipment:

- Transmitter
- Cup
- Flag
- Delivered with 5m cable
- Stainless steel screws

## Accessories:

- 1022-1 display 4-20mA
- 1022-5 output 2 alarms for 1022-1
- 1U0464-1 straight arm in stainless steel lg. 41cm
- Clamp for wall fixing