

ALIZIA 312 B

Product code: 003455



Main features

- High accuracy
- Low power
- Measurements at 10 meters height
- WMO and OACI compliant
- Easy maintenance

ALIZIA 312 B is a highly accurate mechanical wind sensor equipped with a three-cup anemometer and a wind vane that measures wind speed and wind direction following WMO and ICAO recommendations. Typically installed on a 10-meter mast, it is ideally suited for meteorological and aeronautical applications. .

ALIZIA 312 B is a wind sensor equipped with both an anemometer and a wind vane, enabling precise measurement of wind speed and direction.

Intelligent

ALIZIA 312 B is equipped with intelligent on-board electronics that perform wind calculations according to WMO and ICAO recommendations, specifically designed for meteorological

and aeronautical applications.

Robust

Featuring a stainless steel body, a carbon fiber wind vane, and a polyamide 3-cup anemometer rotor, **ALIZIA 312 B** demonstrates exceptional robustness, making it suitable for installation in even the most challenging climates.

LowPower

Utilizing PULSONIC's

LowPower technology, the **ALIZIA 312 B** has minimal energy consumption, enabling it to be powered efficiently by the PULSIA weather station.

Remote control

Utilizing the V23 FSK link, **ALIZIA 312 B** can be situated remotely up to 3km away and linked to a PULSIA automatic station. **ALIZIA 312 B** is utilized for climatological or synoptic applications

Wind speed/direction

	Speed	Direction
Measuring range	0-80 m/s	0° to 360°
Maximum	90 m/s	
Unit	m/s	Degree
Resolution	0.1 m/s	± 1°
Accuracy	± 0.5 m/s (< 10 m/s) ± 3% (10 to 80 m/s)	± 3°

General

Communication	
Interface	M12, 8 pts
Protocol	FSK, RS-485

Environment	
Operating temperature	-30 to +70°C
Storage temperature	-40 to +70°C
Moisture	0% to 100%
IP class	IP66

Material	
Body	Stainless steel
Vane	Carbon fiber
Cup wheel	Polyamide
Weight	4,5 kg

Dimensions	
Height	745 mm
Width	798 mm

Generated data* (WMO compliant)	
Wind speed	Average speed (m/s)
	Maximum speed (m/s)
	Past wind (km)
Wind direction	Average wind direction
	Maximum wind direction

*data generated by the datalogger P4-100

