

ALIZIA 352

Product code : 003575



Main features

- Very low power consumption
- Corrosion resistant, IP66
- Measures speed from 0 to 60 m/s
- Measures wind direction from 0 to 360°
- Accurate and maintenance-free

ALIZIA 352 is a state-of-the-art high precision ultrasonic wind sensor that combines the functions of an anemometer and a wind vane. The measurement principle of **ALIZIA 352** is based on the propagation time of an ultrasonic wave between two transducers.

Low Power

ALIZIA 352 consumes very little energy and can therefore be powered by a solar panel.

Robust

ALIZIA 352 is perfectly equipped to withstand strong winds. Made from polycarbonate, **ALIZIA 352** withstands the rigors of harsh environments. **ALIZIA 352** is corrosion-resistant.

Applications

ALIZIA 352 can be deployed for a wide range of applications, including risk prevention, meteorology, climatology and aeronautics.

Different height

In accordance with WMO recommendations, **ALIZIA 352** can be installed at either 10m or 2m, depending on the specific application requirements.

For installations at the 10m height, the use of a tilting mast is preferred to facilitate maintenance procedures. For aeronautical applications, **ALIZIA 352** can be installed on a frangible mast.

Wind speed/direction

Mesures	Speed	Direction
Range	0-60 m/s	0° to 359°
Unit	m/s	Degree
Accuracy	± 2% @ 12 m/s	± 2° @ 12 m/s
Starting threshold	0.01 m/s	
Resolution	0.01 m/s	1°
Type of available data	Instantaneous speed	Instantaneous direction

General specifications

Electrical features

Input power supply	5 to 30 Vdc
Typical power consumption	5.5 mA @12 Vdc
Cable connector	CL1F1201

Communication

Interface	RS-422
Format	NMEA 0183 / GF
Flow rate	9600, 19200, 38400 or 115200 bauds
Wind sampling frequency	1 Hz, 2 Hz or 4 Hz

Dimensions

Height	163 mm
Width	Ø 142 mm
Fixing diameter	Ø 44.45 mm

Generated data* (WMO compliant)

Wind speed	Average speed (m/s)
	Maximum speed (m/s)
	Wind accumulation (km)
Wind direction	Gusts
	Average direction (°)
	Maximum direction (°)

*Generated by the P4-100 datalogger

Environment

Operating temperature	-35 to +70°C
Storage temperature	-40 to +80°C
Humidity	0% to 100%
IP class	IP66

Material

Body	Polycarbonate
Weight	0.5 kg
Color	Black or white

