### Ultrasonic wind sensor



# **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-theart 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

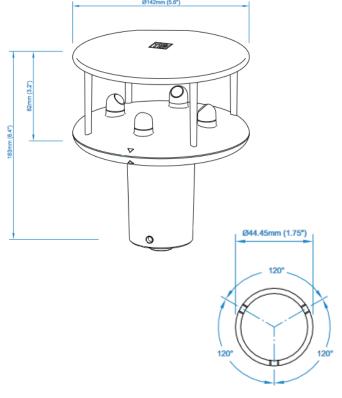
Communication	
Interface	RS-422
Format	NMEA 0183 / GF
Flow rate	9600, 19200, 38400 or 115200 bauds
Wind sampling frequency	1 Hz, 2 Hz or 4 Hz

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

Generated data* (wmo compliant)	
	Average speed (m/s)
Wind speed	Maximum speed (m/s)
wiiiu speeu	Wind accumulation (km)
	Gusts
Wind direction	Average direction (°)
wind 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
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#### **PULSONIC**

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