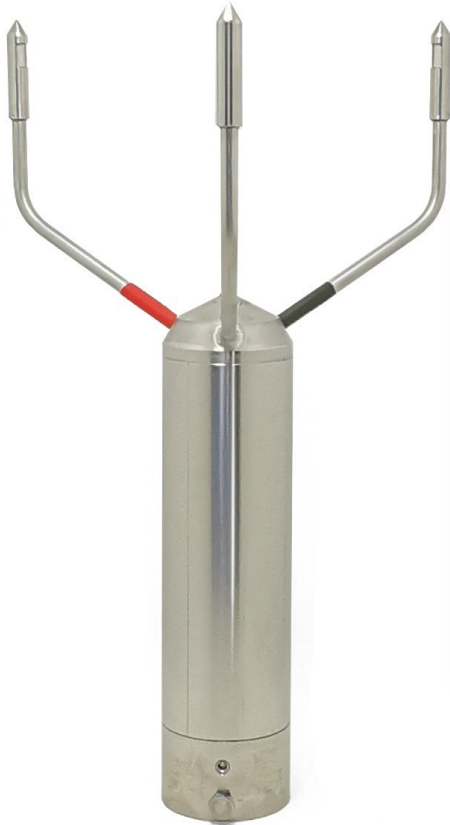


ALIZIA 380 - 60

Product code: 002790



Main features

- Very low power consumption
- Corrosion resistant, IP65
- Measures speed from 0 to 60 m/s
- Measures wind direction from 0 to 360°
- Accurate and maintenance-free

ALIZIA 380 is a high precision ultrasonic wind sensor that combines the functions of an anemometer and a wind vane. The measurement principle of **ALIZIA 380** is based on the propagation time of an ultrasonic wave between two transducers.

LowPower

Developed using PULSONIC's LowPower technology, **ALIZIA 380** consumes very little energy and can therefore be

powered by a small solar panel.

Robust

With its welded arms, **ALIZIA 380** can face extreme winds. Made of 316L stainless steel, **ALIZIA 380** is resistant to the aggressions of harsh environments. Equipped with a spike in the centre of its head and each transducer fitted with a protective helmet, **ALIZIA 380** is well armed to face possible bird

attacks.

WMO/ICAO compliant

ALIZIA 380 is WMO/ICAO compliant and can be combined with an aeronautical display ALIZIA 330.

Connected to a PULSIA automatic station, **ALIZIA 380** is used for climatological or synoptic applications. **ALIZIA 380** is simply the reference in low-power ultrasonic wind sensors!

Wind speed/direction

Measures	Speed	Direction
Range	0-60m/s	0° to 360° (0° at < 0.5 m/s)
Unit	m/s	Degree
Accuracy	± 0.2 m/s from 0 to 10 m/s 3% from 10 m/s to 60 m/s	± 2°
Starting threshold	0.01m/s	0.5m/s
Resolution*	0.01 m/s or 0.1 m/s	1° or 0.1°
Type of available data	Instantaneous speed	Instantaneous direction

General specifications

Electrical features

Input power supply	6 to 24 Vdc
Typical power consumption	4 mA @12 Vdc 0.048mW
Cable connector	BINDER M16

Communication

Interface	RS-422, V23 (FSK)
Format	NMEA 0183
Flow rate	9600, 19200, 38400 or 115200 bauds
Wind sampling frequency	1 Hz, 2 Hz or 4 Hz

Packaging

Package dimensions	50 cm x 30 cm 30 cm
Package weight	3.5 kg (sensors, packaging and protection)

Generated data* (WMO compliant)

Wind speed	Average speed (m/s)
	Maximum speed (m/s)
	Vent passé (km)
Wind direction	Gusts
	Average direction
	Maximum direction

*Generated by the P4-100 datalogger

Environment

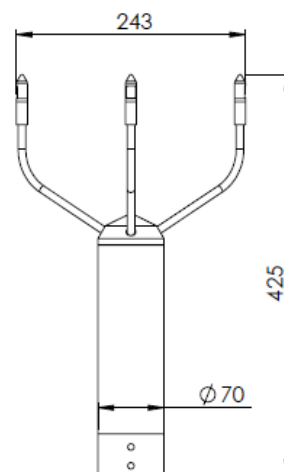
Operating temperature	-20 to +70°C
Storage temperature	-25 to +70°C
Humidity	0% to 100%
IP class	IP65

Material

body	Inox (marine 316L INOX)
Transducer	Ceramic / silicone resin
weight	2.6 kg

Dimensions

height	450 mm
width	250 mm (with arms) Ø 70 mm (body)
Fixing diameter	Ø 50 mm



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