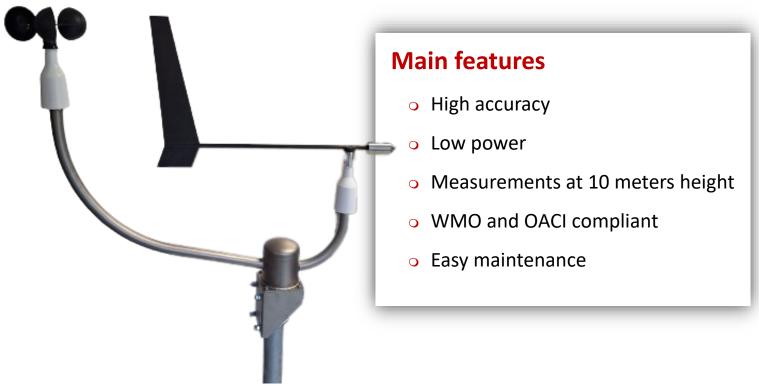
Mechanical wind speed and direction sensor



ALIZIA 312 B

Product code: 003455



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 |

| Material | |
|----------|-----------------|
| Body | Stainless steel |
| Vane | Carbon fiber |

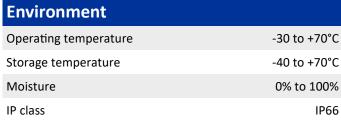
| varie | Carbon fiber |
|-----------|--------------|
| Cup wheel | Polyamide |
| Weight | 4,5 kg |

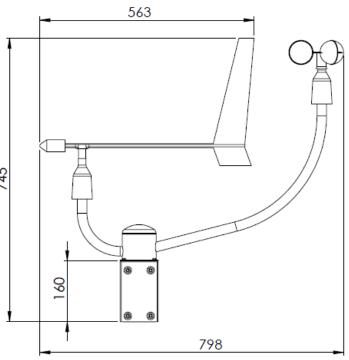
Dimensions

| Height | 745 mm |
|--------|--------|
| Width | 798 mm |

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

^{*}data generated by the datalogger P4-100







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