

ULTRASONIC PORTABLE SOLAR WIND SENSOR

The Ultrasonic Portable Solar Wind Sensor is a compact, solar-powered device for measuring wind speed and direction with high precision. It uses ultrasonic transducers and supports Bluetooth 5.1 with up to 30 meters of range. Designed for outdoor use, it's waterproof (IPX8), operates from -15°C to 60°C, and works in 0–100% humidity. Powered by an internal battery and solar panel, it offers up to 90 days of autonomy. Its 1Hz data sampling ensures fast, accurate readings in m/s, km/h, knots, or mph. Easy to mount on tripods, poles, or GoPro fittings. Ideal for marine navigation, weather tracking, and tactical field applications.

Power

Solar panel, internal battery, automatic power management.

Autonomy with no sunlight:

- In sleep mode up to 30 days. Recommended charging via LED light
- While measuring up to 90 days.

Wind Information

Wind Speed

Range: 1-25m/s (2.24-56 mph)
Accuracy: 0.1 m/s at 10 m/s (0.67 mph at 22.37 mph)
Threshold: 1 m/s (2.24 mph)

Wind Direction

Range: 0 - 359°
Accuracy: ±1°

Measurement

Sample rate

1 Hz.

Output units

m/s, km/h, knots, mph

Data Output

Bluetooth

Version 5.1 Up to 30 meters or 98 feet (free space)



Sensors

Ultrasonic transducers (4x)

Dimensions

Diameter: 70mm (2.76 in.)
Height: 57 mm (2.24 in.)

Weight

Weight: 145 grams (5.15)

Environmental

IP Code IPX8 Protection Grade
Temperature range -15/60° C if no frost
Humidity 0/100% HR

Easy mount

16mm (M16x2) Female thread
Available adapters: Tripod, Go-Pro, mast mount and various poles.

APP Compatibility

Marine

GARMIN

- Calypso Instruments Sailing Anemotracker
- Weather4D
- Sentinel Marine Solutions
- iRegatta
- eStela
- Sail Racer
- EDO sailing instruments
- SailGrib
- gtVlm Navigation and Routing
- Tactiqs

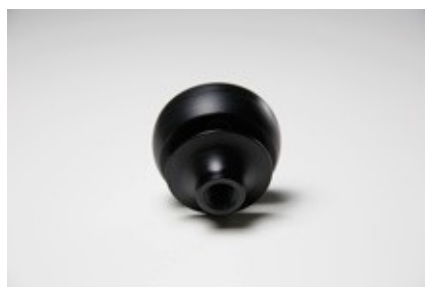
Meteo

Ballistics

Display

Compatibility

- Weather File
- Strelok Pro



PORTABLE SOLAR

SPECS SHEET

English version 1.0
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