

ULTRASONIC PORTABLE MINI SPECS SHEET

The Ultrasonic Portable Mini is a lightweight, handheld wind sensor designed for precise wind speed and direction measurement. It uses four ultrasonic transducers and supports Bluetooth 5.1 with up to 30 meters of range. Built for rugged environments, it's IPX8 waterproof and operates from -15°C to 60°C in 0–100% humidity. The device is powered by a rechargeable battery with 150 hours of runtime and supports wireless Qi charging. It provides 1Hz data output in m/s, km/h, knots, or mph. Its compact size and tripod mount make it perfect for mobile use. Ideal for marine navigation, ballistics, and meteorological monitoring.

Power: Battery powered (150 hours runtime)

Wireless charging Qi

Information given:

-Wind speed

Range: 1-25m/s (2.24-56 mph)

Accuracy: 0.3 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

Range Up to 30 meters or 98 feet (free space)

Easy mount:

Tripod mount - Female thread

Sensors: Ultrasonic transducers (4x)

Dimensions:

Diameter: 43 mm (1.69 in.)

Height: 47 mm (1.85 in.)

Weight: 78 grams (2.75 oz.)

Environmental:

IP Code

IPX8 Protection Grade

Temperature range -15/60° C if no frost

Humidity 0/100% HR

APP Compatibility:

Marine



Calypso Instruments Sailing Anemotracker

Weather4D

Sentinel Marine Solutions

iRegatta

eStela

Sail Racer

EDO sailing instruments

SailGrib

qtVlm Navigation and Routing

Tactiqs

Meteo

Weather File

Ballistics

Strelok Pro

Display

Compatibility



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English version 1.0
01.03.2023

WEATHERDOT

SPECS SHEET

Weather dot is a compact, battery-powered sensor that measures temperature, humidity, and atmospheric pressure with high accuracy. It features configurable sampling rates and supports multiple output units. With IP65 protection, it's built for reliable outdoor use. The device offers up to 720 hours of active operation. It is compatible with the Ultrasonic Portable Mini and mounts easily on a tripod.

Power: Battery powered (720 hours of active use)

Information Given:

- Temperature

Range: -15 to 60°C (5 to 140F)
Accuracy: $\pm 0.5^\circ\text{C}$ at 25°C
Resolution: 0.1°C

- Humidity

Range: 20 - 80%
Accuracy: $\pm 3.5\%$
Resolution: 1%

- Pressure

Range: 500 to 1200hPa
Accuracy: ± 1 hPa -
Resolution: 1 hPa

Measurement:

- Sample Rate

From 1 sample/s (1Hz) - 1 sample/24h
(1.16 x 10⁻⁵ Hz)

- Output units

Celsius, Farenheit or Kelvin
% and hPa, inHG, mmHG, kPa or atm

Sensor: BME280 & NTCLE350E4103FHBO

Dimensions: Diameter: 43 mm (1.65 in.)
Height: 32 mm (1.26 in.)
Weight: 40 grams (1.41 oz.)

Environmental:

- IP Protection

IP65

- Temperature Range

-15/60° C (5/140° F)

- Humidity

20-80% humidity

Easy Mount:

Tripod mount - female thread

Datalogger

Avaiable in future updates



Compatible With Ultrasonic Portable Mini



WEATHERDOT

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