

ULTRA-LOW-POWER ULTRASONIC SUMMIT WIND SENSOR

Power: 3.3 - 18 VDC

Information Given:

- Wind Speed

Range: 0.5 - 45 m/s (1.12 to 100 mph)
or 0 - 25 m/s (0 to 56 mph)

Accuracy: 0.1 m/s at 10 m/s (0.22 in.
at 22 mph)

Threshold: 0.5 m/s (1.12 mph)

- Wind Direction:

Range: 0- 359°

Accuracy: $\pm 1^\circ$ RMS at 10 m/s
(22.37 mph)

Measurement:

- Power Consumption

(UART) 0.15 mA at 38,400 bauds, 1 Hz
(5V)

(RS485) 0.25 mA at 38,400 bauds, 1
Hz (5V)

Baudrate: 2,400 to 115,200 (8n1) bauds

Output rate: 0.1 to 20 Hz

Output units: m/s, Knots, or Km/h

Material Machined Aluminum

*heated version in 2023



Easy Mount

- 3xM4 lateral female tripod thread - UNC1/4"-20
- 3xM4 inferior female tripod thread - UNC1/4"-20

Sensor: Ultrasonic Transducers (4x)

Dimensions: Diameter: 70 mm (2.76 in.)
Height: 65 mm (2.56 in.)
Weight: 340 grams (12oz.)

Environmental:

- IP Protection IPX8

- Temperature Range

-15/60° C (5/140° F) if no frost

Firmware Upgradable (Configurable via cable)

Data Output:

-RS485 / MODBUS RTU -Stream or Poll

-UART / 12C -Stream or Poll

-NMEA 2000 -Stream or Poll

