

ULTRA-LOW-POWER ULTRASONIC PRO WIND SENSOR (ULP PRO)



Power: 3..3 - 18 VDC

Information Given:

- Wind Speed

Range: 0.5 - 45 m/s (1.12 to 100 mph)

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

Threshold: 1 m/s (2.24 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 38400 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

Easy Mount

- 2xM3 lateral female tripod thread UNC1/4"-20
- 3xM3 base female tripod thread UNC1/4"-20 UNC1/4"-20

Sensor: Ultrasonic Transducers (4x)

Dimensions:

- Diameter: 68 mm (2.68 in.)
- Height: 65 mm (2.55 in.)
- Weight: 200 grams (7.05 oz.)

Environmental:

- IP Protection IPX8

- Temperature Range

-15/55° C (5/131° F) if no frost

Firmware upgradable. Configurable via cable.

Data Output:

- RS485 (NMEA 0183) -Stream
-Poll

- RS485 (Modbus)

- UART (NMEA 0183) -Stream
- Poll

- DAVIS compatible

