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ULTRA-LOW-POWER ULTRASONIC SUMMIT WIND SENSOR

The ULP Summit Wind Sensor offers precise wind monitoring in a compact, rugged design. Built with durable machined aluminum, it's ideal for harsh environments and outdoor deployments. Its ultra-low power usage makes it perfect for off-grid and solar-powered systems. With support for RS485/MODBUS and configurable output, it integrates seamlessly into modern data platforms.

Power: 3.3 - 18 VDC

Information Given:

- Wind Speed
  Range: 0.5 - 45 m/s (1.12 to 100 mph) or 0.5 - 25 m/s (1.12 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: ±1° RMS at 10 m/s (22.37 mph)

Measurement:

- Power Consumption
  (RS485) 0.25 mA at 38,400 bauds, 1 Hz (5V)
  (UART) 0.15 mA at 38,400 bauds, 1 Hz (5V)

Baudrate: 1,200 to 115,200 (8n1) bauds
Output rate: 0.1 to 10 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 (12 oz.)

Environmental:

- IP Protection IPX8
- Temperature Range
  -15/60° C (5/140° F) if no frost

Firmware Upgradable (Configurable via cable)

Data Output: -RS485 / MODBUS Stream or Poll

SKU: CMI1030

If you require a cable length longer than 20 meters (MODBUS), we can provide support. Please contact our technical support team for assistance.

ULP SUMMIT
SPECS SHEET
English version 1.0
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