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ULTRA-LOW-POWER ULTRASONIC SUMMIT HEATED WIND SENSOR

The Summit Heated Wind Sensor is built for high-precision wind measurement in extreme environments. Its heated housing ensures continuous operation by preventing ice and snow buildup. With ultra-low power consumption, it's ideal for remote and battery-powered installations. The rugged, compact design allows for easy integration in both mobile and fixed setups. It supports firmware upgrades, ensuring adaptability to future needs. Perfect for use in meteorology, marine navigation, agriculture, and renewable energy applications.

Power: 12 VDC (Heating) and 3.3-18 VDC (Wind Meter)

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: ±1° RMS at 10 m/s (22.37 mph)

Measurement:

- Power Consumption

  (MODBUS) 0.25 mA at 38,400 bauds, 1Hz (5V)
  (RS485) 0.25 mA at 38,400 bauds, 1Hz (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 Heated Machined Aluminum

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: 83 mm (3.27 in.)
Weight: 418 grams (14.7 oz.)

Environmental:

- IP Protection   IPX8

- Temperature Range

  -40/60° C (-40/140° F)

Firmware Upgradable (Configurable via cable)

Data Output: SKU

-RS485 / Stream or Poll   CMI1031
MODBUS

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

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