

ULTRA-LOW-POWER ULTRASONIC SUMMIT HEATED WIND SENSOR

The Summit Heated Wind Sensor is built for highprecision 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<br>(Wind Meter)                              |  |
|--------------------|--|--|
| Information Given: |  |  |
| - Wind S           | peed<br>Range: 0.5 - 45 m/s (1.12 to 100 mph)<br>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:

(5V)

Range: 0- 359° Accuracy: ±1° RMS at 10 m/s (22.37 mph)

## Measurement:

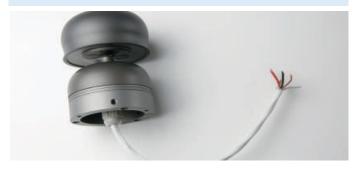
**ULP SUMMIT** 

SPECS SHEET

sh version 1.0

11.04.2023

- Power Consumption (MODBUS) 0.25 mA at 38,400 bauds, 1Hz (5V) (RS485) 0.25 mA at 38,400 bauds, 1Hz
- Baudrate:1,200 to 115,200 (8n1) baudsOutput rate:0.1 to 10 HzOutput units:m/s, Knots, or Km/h
- Material Heated Machined Aluminum







| Easy Mount                                   | - 3xM4 lateral female tripod thread -<br>UNC1/4''-20<br>- 3xM4 inferior female tripod thread -<br>UNC1/4''-20 |
|--|---|
| Sensor:                                      | Ultrasonic Transducers (4x)   |
| Dimensions<br>:                              | Diameter: 70 mm (2.76 in.)<br>Height: 83 mm (3.27 in.)<br>Weight: 418 grams (14.7 oz.)                        |
| Environmento<br>- IP Protectio<br>-Temperato | on IPX8   |
|  |   |

Firmware Upgradable (Configurable via cable)

Data Output:

-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.

**SKU** 



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