

## ULTRA-LOW-POWER ULTRASONIC WIND SENSOR (ULP STD)

**Power:** 3.3 - 18 VDC

### Information Given:

#### - Wind Speed

Range: 0.5 - 45 m/s or 0 - 25 m/s (1.12 to 100 mph or 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 38400 bauds, 1 Hz (5V)

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

**Output rate:** 0.1 to 20 Hz (configurable)

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



**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 (2.55 in.)  
Weight: 210grams (7.4 oz.)

### Environmental:

- IP Protection IPX8

- Temperature Range -15/60° C (5/140° F)

Firmware upgradable. Configurable via cable.

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

### Data Output:

### SKU

- RS485 / MODBUS -Stream -25m/s: CMI1014  
or Poll -45m/s: CMI1017

- UART / 12C -Stream CMI1018  
or Poll

- 4-20mA -Analog CMI1034

- NMEA 2000 -Stream or Poll

