CALYPSO instruments
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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- 359º

  Accuracy: ±1º RMS at 10 m/s (22.37 mph)

Measurement:

- Power Consumption

(UART/I2C) 0.15 mA @5V, 1Hz and 38,400 bauds
(RS485/NMEA0183) 0.25 mA @5V, 1Hz and 38,400 bauds
(MODBUS) 1 mA @5V, 1Hz and 38,400 bauds
(SDI12) 0.17 mA @1Hz

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:

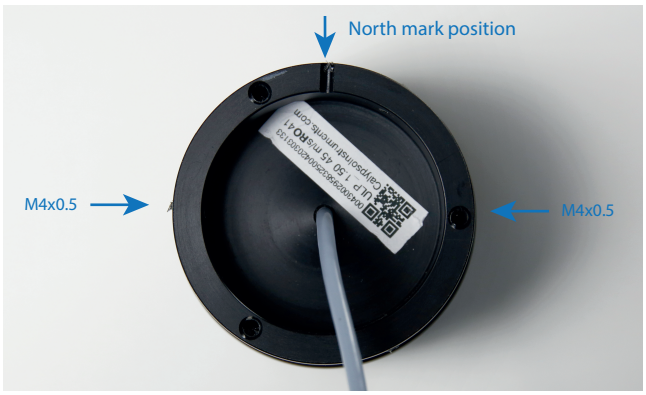
- IP Protection IPX8
- Temperature Range

-15/60º C (5/140º F)

Firmware upgradable. Configurable via cable.

Data Output:

- RS485 / MODBUS -Stream or Poll
- UART / 12C -Stream or Poll
- 4-20mA -Analog
- NMEA 2000 -Stream or Poll



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