CALYPSO instruments
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ULTRA-LOW-POWER ULTRASONIC WIND SENSOR (ULP STD)

Power: 3.3 -24 VDC

Information Given:

- **Wind Speed**

  Range: 0.5 - 60 m/s (1.12 to 134.22 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**

(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)

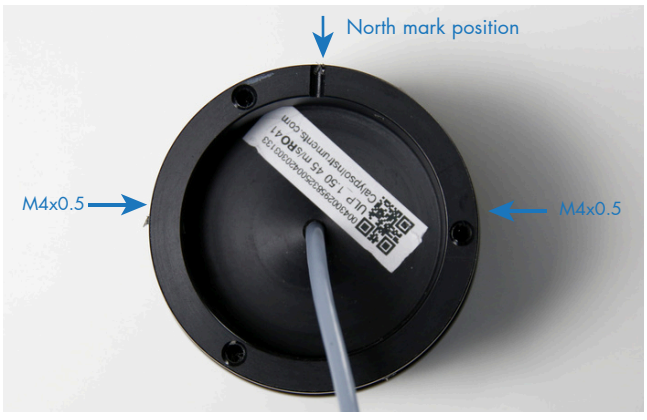
Dimensions: Diameter: 70 mm (2.76 in.)
Height: 65 mm (2.55 in.)
Weight: 210grams (7.4 oz.)

Environmental:
- **IP Protection** IPX8
- **Temperature Range**

-15/60° C (5/140° F)

Firmware upgradable. Configurable via cable.

Data Output:
- **RS485 / MODBUS RTU** -Stream or Poll
- **UART / I2C** -Stream or Poll
- **SDI12**



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