



Microcom Design, Inc.

Ultrasonic Wind Sensor Model Wind Observer

P/N: W-101-GU



The **Wind Observer** ultrasonic wind sensor is a robust unit with no moving parts, for accurate monitoring of wind speed and direction. The units of wind speed, output rate and formats are all user selectable. The **Wind Observer** can be used in conjunction with a PC or datalogger via RS422 bi-directional link, or optional analogue output. Type 316 Stainless Steel construction provides maintenance free operation in all weather conditions.

Specifications

Units of measure: m/s, Knots, mph, kph, fpm

Output frequency: 1, 2, or 4 outputs per second

Wind Speed

Range Digital: 0 – 65 m/s

Accuracy: 2%

Resolution: 0.01 m/s

Starting Threshold: 0.01 m/s

Wind Direction

Range: 0 - 359°

Accuracy: 2°

Resolution: 1°

Communication: RS-422, Full Duplex

Baud Rates: 1200, 2400, 4800, 19200, 38400

Formats: 8 data, odd, even or no parity

Operating Temperature: -55°C to +70°C

Operating Humidity: <5% to 100%

Precipitation: 300 mm/hr

Power Supply: 9 – 30 V DC

Power Consumption: 40mA (max 60mA for analogue version)

Dimensions: 405mm x 210mm

Weight: 1.5kg

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