

Measure and record anywhere . . .

with
PORTLOG

The Portable Weather Logger

Developed for measuring and recording in remote areas, the RainWise Portable Weather Logger (PORTLOG) operates as a completely self contained system. No power is required. The solar/battery supply will power the system continuously anywhere in the contiguous United States.



RainWise Inc.



The Portable Weather Logger

The PortLog is a compact rugged industrial grade data logging weather station. The unit is fully assembled and can be quickly deployed. The large 3-Watt solar panel and 5AH sealed lead acid battery ensure reliable operation in the harshest conditions.

The record rate is user selectable from once a minute to once an hour. The standard 128K non-volatile RAM will store over one year of data at a one hour record rate. Windows™ based data retrieval software is provided for downloading stored data. The logger with all sensors, a battery charger, compass and a ten foot rugged tripod are all contained in a sturdy lockable shipping case. All the sensors are traceable to NIST. The PORTLOG can be completely set up and made operational by one person in less than three minutes.

The PORTLOG will measure and record: Wind Speed, Wind Direction, Temperature, Relative Humidity, Dew Point, Barometric Pressure, Solar Radiation and Rainfall.

Memory upgrades are now available.

Product Specifications

WIND SPEED

Range: 0-150 mph. 0-67 meters per second. 0-240 kilometers per hour. 0-130 knots.
Resolution: 1.0 unit. Threshold: 0.5 meters per second
Accuracy: $\pm 2\%$ of full scale

WIND DIRECTION

Range: 0-360 with 1 degree resolution.
Accuracy: $\pm 3^\circ$

TEMPERATURE

Range: -66° to $+150^\circ$ F. -54° to $+65^\circ$ C.
Accuracy: $\pm 1.0^\circ$ F $\pm .5^\circ$ C.

RELATIVE HUMIDITY

Range: 0-100%
Accuracy: $\pm 2\%$ from -40° to $+65^\circ$ C.

DEW POINT

Range: -40° to $+110^\circ$ F. -40° to $+43^\circ$ C.
Accuracy: $\pm 4^\circ$ F $\pm 2^\circ$ C.

BAROMETER

Range: 8.85 to 32.48 inches Hg; 300 to 1100 Millibars (hPa)
Accuracy: ± 0.01 inches Hg' ± 0.5 millibars (hPa) @ 25 degrees C
Temperature compensated from -40 to $+85$ C.

RAINFALL

Range: Unlimited tipping bucket with 8 inch dia. collector.
Resolution: 0.01 inch. 0.25 mm.
Accuracy: $\pm 2\%$ @ 1.0 inches per hour.

SOLAR RADIATION

Range: 0 to 1,500 watts per square meter
Response: 400 to 1,200 nanometers
Accuracy: $\pm 5.0\%$ - 1,000 wpsm



RainWise, Inc., is a manufacturer of weather monitoring systems for many industrial uses, including a line of HazMat products used by emergency service professionals. In business for over 35 years, RainWise is an employee-owned and operated company providing affordably-priced, high-quality products that are manufactured in the U.S. We are committed to providing outstanding customer service. We provide full technical and installation support for all of our products. Call us with any questions or problems.

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GSA Schedule
Contract GS-07F-6342R

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