

## The RainWise 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. The record rate is user selectable from once a minute to once an hour. The 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 3 minutes.

The PORTLOG will measure and record:

- Wind Speed
- Wind Direction
- Temperature
- Relative Humidity
- Dew Point
- Barometric Pressure
- Solar Radiation
- Rainfall



The PORTLOG is guaranteed for five years.

### SPECIFICATIONS

<p><b>WIND SPEED</b>            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: ± 2% of full scale</p>	<p><b>BAROMETER</b>            Range: 10.2 inches Hg to 37.4 inches Hg.            300 to 1100 millibars (hPa)            Accuracy: ± 0.01 inches Hg.            ± 0.5 millibars (hPa) @ 25°C*            temperature compensated            from –40° to +85° C.            * after local offset adjustment</p>
<p><b>WIND DIRECTION</b>            Range: 0-360 with 1 degree resolution.            Accuracy: ± 3°</p>	<p><b>RAINFALL</b>            Range: Unlimited tipping bucket            with 8 inch dia. collector.            Resolution: 0.01 inch.            0.25 mm.            0.1 mm special order            Accuracy: ± 2% @ 1.0 inches per hour.</p>
<p><b>RELATIVE HUMIDITY</b>            Range: 0 – 100%            Accuracy: ± 2% from –40° to +65° C.</p>	<p><b>SOLAR RADIATION</b>            Range: 0 to 2,000 watts per square meter            Response: 400 to 1,200 nanometers            Accuracy: Maximum ±5.0% - typical ±3.0%</p>
<p><b>TEMPERATURE</b>            Range: –66° to +150° F.            –54° to + 65° C.            Accuracy : ± 2.0° F            ± 1.0 °C.</p>	
<p><b>DEW POINT</b>            Range: –40° to +110° F.            –40° to +43° C.            Accuracy: ± 4° F.            ± 2° C.</p>	

