



WEATHER STATION



Our weather stations are known for their precision measurements rugged construction. It has wide operating temperature range and low power consumption. The standard weather station consists of a weather proof enclosure which contains the data logger and power supply and come complete with solar panel tripod stand and basic range of sensors.

The weather station is powered by rechargeable sealed maintenance free battery with integrated 12V/10W solar panel which keeps battery easily charged throughout the year.

The location of your weather station is critical if the measurements are to be meaningful. The type of ground vegetation building and other obstruction that can effect measurement and so you need to access the site carefully. All sensors are powered directly from the data logger and needs no external signal conditioning.



SPECIFICATION:	
<p>DATA LOGGER: Display: 16 character X 2 lines LCD Sensor Input: Air temperature, Relative Humidity, Wind speed,, Wind direction & Rain fall</p>	<p>RELATIVE HUMIDITY: Type: Digital Sensor, Range: 100% Accuracy: ±3.5 RH, Resolution: 0.5% RH Typical Long term stability: Type<1% RH/ year Repeatability: ±0.1%</p>
<p>Real time clock: Provided Data storage: 128 K EPROM Power supply: 12V/7 Apm, maintenance free battery, Battery charger: Through solar panel Tower: Adjustable 6 to 10 feet. Logging interval: Programmable from 1 min. to 24 hrs. Operating Temp.: 0 to 50⁰C, Operating Humidity: 0 to 9% non condensing Data Retrieval: Through packetable data shuttle to PC or Laptop</p>	<p>RAIN FALL: Sensor: Tipping bucket rain gauge Least count: 0.2mm., Capacity: Unlimited Sensing: Magnet & Reed Switch Material Used: Non-corrosive WIND SPEED: Sensor: 3 cup Anemometer Sensing: Upto coupler Accuracy: Better than 0.5 m/s. Material Used: Non-corrosive</p>
<p>AIR TEMPERATURE: Type: Digital Sensor, Range: -40⁰ to 128⁰C Accuracy: ±0.5⁰C @ 25⁰C Resolution: 0.1⁰C typical</p>	<p>WIND DIRECTION: Sensor: Wind vane, Sensing: Potentiometric Range: 0 to 360⁰, Resolution: 1⁰ Material Used: Non-corrosive</p>

DATA SHUTTLE:

The data is pocket size device that can be used to download to a PC or Laptop computer allowing the logger to stay in place for continue monitoring / recording. The shuttle connects to a PC and is used with the turn Key software to readout and view the data. User friendly Windows based Weather Station software allows you to view collected data. Data files saved Microsoft's Excel format.

OPTIONAL SENSORS	
Water temperature Atmosphere Sensors (Barometer) Dew Point Leaf Point Silt Sediment	Soil Moisture Solar Radiation Soil Temperature Evaporation