



Weather Maestro

Weather Station Data Logger

Envirodata is proud to introduce a new generation of weather station technology, our Weather Maestro data loggers designed specifically for recording environmental conditions.

Features:

- Robust design & construction
- Easy to assemble, easy to use
- Powerful on-board processor
- Low power, ideal for remote siting
- Full instructions & Manufacturer's support
- 6, 10 or 16 channel versions
- Current readings, 10 minute, hourly and daily weather data logged in independent memory areas (or customised schedule)
- Extensive 8 Mb on-board flash memory (Non – volatile) Around 1,000,000 sets of readings with individual date and time stamp.
- Ideal system for meeting Australian Standards and EPA requirements
- Australian Made

Designed to survive in harsh conditions, your Weather Maestro will provide reliable, accurate weather recording from the Simpson Desert to the Himalayas.

On-board data processing, calculations and remote telemetry options give you the weather data you need; when, how and where you want it.

Communication and Remote Monitoring

All models feature a serial connection for on-site downloading of logged data to a laptop. Various telemetry options are also available:

- GSM, Next G & telephone line modems
- UHF & VHF Radio Links
- Direct cable, MODBUS, Ethernet & Internet



Weather Sensors

Envirodata manufactures a wide range of high quality weather sensors including:

- Air Temperature
- Relative Humidity
- Wind Speed
- Wind Direction

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- Rainfall
- Barometric Pressure
- Solar Radiation, PAR, UV Radiation

Other sensors are easily interfaced to the Weather Maestro to provide a complete package.

Factory Programmed

The Weather Maestro is factory programmed, so is fully operational straight away. New program files are readily available and simple to load.

Flexible Memory

The memory is divided into 4 independent areas, which can be customised to suit your specific data interval requirements. A 5th area for diagnostics contains system configuration and information.

The flash memory is retained indefinitely even with no batteries connected. Data is stored in final text form that includes date and time stamps, in 'revolving drum' style.

Automatic Evaporation Calculation

Envirodata's Weather Maestro can provide an FAO56 evaporation calculation as a standard output provided the appropriate sensors are connected; relative humidity, air temperature, wind speed, and solar radiation or net radiation.

Software

Each Weather Maestro is supplied with Envirodata's EasiAccess software. EasiAccess connects to your Maestro, downloads and displays the weather data, and provides high level reporting functions.

Specifications:

Inputs

6, 10 or 16 channels. For standard Envirodata pulse sensors or other sensors with a custom interface

Built-in Memory

8 Mb on-board flash (non-volatile) memory stores up to a typical total of 1,000,000 value sets (data plus time & date stamp records)

Data Output

RS232 Serial ASCII text

System Indicators

LED indicators provided for simple identification of operating status and mode

Battery & Solar Panel

Capacity for up to 3 weeks' operation without sunlight on a typical system

Battery:

- 12 volt 12.0AH sealed rechargeable gel cell

Solar panel:

- 10 Watt solar panel
- 20 Watt solar panel option
- Internal regulator for up to 30 Watt panel

Power Consumption

- 10mA in logging mode
- 35mA while communicating
- 2.5mA per typical Envirodata sensor

Dimensions of Inner IP66 Housing:

