



Weather Maestro

Weather Station Data Logger

Envirodata's Weather Maestro weather stations are robust, reliable, Australian Made & designed specifically for monitoring your weather 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
- 10, 16 or 20 channel versions
- Current readings, 10 minute, hourly and daily weather data logged in independent memories
- 8 Mb flash memory for 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 weather station will provide reliable, accurate weather recording, no matter the environment.

This robust and reliable system is ideal for EIS, Mining, Industrial, Landfill, Road Construction, Water Treatment plants, Feedlots and all industries where a reliable long term solution is sought.

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

Weather Sensors

Typically, the Weather Maestro will have a range of sensors added, including Envirodata's:

- Air Temperature
- Relative Humidity
- Wind Speed



Envirodata Weather Stations Pty Ltd

P.O. Box 395, WARWICK, Queensland, 4370, Australia

Phone: (07) 4661 4699

Int. Phone: + 61 7 4661 4699

Fax: (07) 4661 2485

Int. Fax: +61 7 4661 2485

ABN: 77 131 757 125

Proudly Australian Owned

<http://www.envirodata.com.au>

e-mail: sales@envirodata.com.au

Version 160628



- Wind Direction
- Rainfall
- Barometric Pressure
- Solar Radiation
- Soil Temperature

Other sensors are easily interfaced to provide a complete solution for your weather monitoring.

Communications 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, Cellular VPN, & Satellite Data modems
- UHF & VHF Radio Links
- Direct cable, MODBUS, Ethernet & Internet

Software

The Weather Maestro with telemetry (cellular modem or Satellite modem typically) is the perfect solution for connecting up to 20 sensors per station to the WeatherMation LIVE service.

WeatherMation LIVE automates your data collection and provides secure access to your live & historic weather data via our web interface.

Receive SMS or Email alerts, Regular notifications, run, edit and save reports securely via your browser.

For direct download to Laptop, our EasiAccess software provides comprehensive download, database and reporting capabilities.

Advanced Calculations

Envirodata's Weather Maestro can provide advanced calculations such as: FAO56 evaporation rates / Thermal Work Limit (TWL) / HLI / AHLU / Dew Point / Chill Hours & more, provided the appropriate sensors are connected. This data is saved as if a standard sensor, and can be used to trigger alerts.

Flexible Memory

The memory is divided into 4 independent areas, which can be customised to suit your specific data interval requirements.

The flash memory is retained indefinitely, and data is

stored in final text form with date and time stamps.

Factory Programmed

The Weather Maestro is factory programmed, so is fully operational out of the box. New program files are readily available and simple to load.

Installation:

Designed to be self installed. Envirodata also offer a full installation and commissioning service Australia wide. On-site preventative maintenance, calibration checks, repairs & servicing a specialty.

Specifications:

Inputs

10, 16 or 20 channels. For Envirodata sensors or other sensors with an Envirodata 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). Equivalent to 12 months of 10 minute, hourly and daily data, concurrently.

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 2 weeks' operation without sunlight on a typical system

Battery:

- 12 volt 12.0AH rechargeable gel cell SLA

Solar panel:

- 20 Watt or 30 Watt solar panel typical
- (Internal regulator for up to 30 Watt SP)

Power Consumption

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