



WeatherMate 3000

Weather Station Data Logger

Envirodata's Weathermate 3000 series data loggers are designed specifically for recording weather conditions.

Features:

- Compact powerful data logger for entry level high quality weather station applications
- Low power, ideal for remote siting
- Robust design & construction.
- Easy to set up & easy to use.
- Up to 5 directly connected standard Envirodata digital sensors
- Custom sensor interfaces available
- Provides current readings, 10 minute, hourly and daily data in 3 independent memory areas (or customised to your logging schedule)
- 8 Mb on-board flash memory (Non – volatile)
- Australian Made

On-board memory for 1,000,000 sets of readings with individual date and time stamp. A typical weather station with 5 sensors stores 18 Months of Daily, Hourly and 10 minute data summaries concurrently.

The WeatherMate 3000 series of weather stations are designed to survive in harsh conditions, from the Simpson desert to the Himalayas your system will provide reliable, quality weather recording.

Envirodata's Weather Stations are designed specifically with the user in mind, they are easy to install, easy to use with full instructions and manufacturer support.

Communication and Remote Monitoring

The WeatherMate 3000 features a serial connection for on-site downloading of logged data to a laptop.



Connect direct to your Office / LAN / PLC or SCADA:

- Direct cable, MODBUS TCP/IP, Ethernet & Internet connections
- GSM, Next G, & UHF Radio links are available in the WeatherWombat system; the next model up in our range.

Weather Sensors

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

- Air Temperature
- Relative Humidity
- Wind Speed
- Wind Direction
- Rainfall
- Barometric Pressure
- Solar Radiation
- Soil Temperature

Other sensors are easily interfaced to the Weather Mate 3000 to provide a complete package for your specific monitoring needs.

Dimensions & Mounting

- IP66 Enclosure: 230 (W) x 139 (H) x 95 (D)
- Aluminium Sunshade & Mast bracket
- Optional LH35 Heavy Duty Aluminium housing available

Envirodata recommends our 2m fixed instrument stand or portable Aluminium Tripod.

Software

Envirodata's EasiAccess software is the ideal solution for occasional data collection. EasiAccess contains weather station management functions, database and full reporting and graphing options.

For automated data collection you should consider the WeatherWombat to add telemetry and our WeatherMation LIVE service

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 even with no batteries connected. Data is stored in final text form that includes date and time stamps.

Once full, the oldest data is discarded to make way for new data.

Programming

The WeatherMate 3000 data logger is delivered with your specified logging schedule loaded so it operates immediately. You can load alternative schedules or create your own.

Specifications:

Inputs

5 channels, pulse counting. For standard Envirodata pulse sensors or other sensors with an Envirodata interface.

Data Output

RS232 Serial ASCII text

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)

System Indicators

LED indicators provided for simple identification of operating status and mode

Battery & Solar Panel

Capacity for up to 1 week's operation without sunlight on a typical system (Connected sensors and communication options can alter the typical power usage.)

Battery:

- 12 volt 3.0AH sealed rechargeable gel cell

Solar panel:

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

Power Consumption

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