



RG35 Logging Rain Gauge

Compact Robust Remote Rainfall Logging with Telemetry

The RG35 is a compact, reliable, full featured commercial grade automatic rain gauge, with a built in Cellular modem designed and made in Australia.

Features:

- Full sized Tipping Bucket Rain Gauge
- Powerful built in Data Logger
- Cellular Modem (Telstra preferred)
- Ideal to connect to WeatherMation LIVE
- Robust & Reliable
- Stainless steel barrel, chassis & bucket
- Permanent Site or Easily Transportable
- Expansion for 4 additional sensors

Applications

- Rainfall Monitoring Networks
- Automated rain alerts
- Catchment monitoring
- Construction contract management
- Workflow planning
- Safety and automation

The RG35 combines the RG12H tipping bucket rain gauge, with mounting post, levelling bracket & our DW50 WeatherWombat Data Logger & Modem.

This system is ideal to connect to our WeatherMation LIVE service to automate your rainfall monitoring in an economical and reliable package.

With data updated every minute, SMS and Email alerts plus secure online access there has never been a better system to provide remote rainfall monitoring.

RG12H Tipping Bucket Rain Gauge (TBRG)

Constructed from stainless steel with a powder coated aluminium base and funnel.

The tipping bucket is manufactured from stainless steel, ensuring that tips are accurate and consistent.

The inlet funnel is fitted with a syphon to control and maintain a constant flow-rate. This ensures reliable rainfall recording even at very high rainfall intensities.

Hall Effect

The RG35 incorporates the advanced and ultra-reliable RG12H rain gauge fitted with an electronic (Hall



RG31 Shown includes tripod with solar panel for remote siting.

Effect) detector. The hall effect sensor life is expected to exceed 100 years, and tens of millions of tips.

WeatherWombat Data Logger

On-board memory for 1,000,000 sets of readings with individual date and time stamp.

In a typical high rainfall area, this will provide 36+ months of Daily, Hourly and 10-minute Rainfall summaries, plus independent rainfall intensity records.

The flash memory is retained indefinitely.

Specifications:

Data Logger Inputs

5 channels, pulse counting. For Envirodata sensors or third party sensors with a custom interface.

Data Output

RS232 Serial ASCII text. MODBUS TCP/IP Option.

Connects via terminal program, EasiAccess software, or WeatherMation LIVE service

Data Logger Dimensions

IP66 Enclosure: 250 (W) x 180 (H) x 120 (D) (mm)

System Indicators

LED indicators provided for operating status

Battery

Capacity for up to 1 week's operation without sunlight on a typical RG35 system

- 12 volt 6.0AH sealed rechargeable gel cell (SLA)

Power Consumption

- 30mA in logging mode
- 75mA while communicating

Rainfall Mechanism:

- Tipping Bucket with Hall Effect detector

Accuracy:

- $\pm 2\%$ at low rainfall rates.
- $\pm 5\%$ at rainfall rates above 300 mm/hr.



Typical Weather Wombat Module with Modem shown on Aluminium Tripod

Operating Range:

- Up to 450 mm/hr

Resolution:

- 0.2mm per tip.

Rain Gauge Dimensions:

- Funnel Diameter: 203mm
- Height: 315mm
- Base Diameter: 250mm

Mounting Options:

The RG35 includes a mast with levelling bracket to install the top of the gauge at 1000mm above ground.

You can choose an optional 2m Mast for more clearance above ground and the optional LH35 lockable housing adds further physical protection for the data logger.

For fixed remote sites with no power simply add a solar panel to complete the package.

RG36 Package:

The RG36 package option includes an Aluminium tripod instead of the fixed mast & a 10W solar panel.

The RG36 package can therefore provide you with a complete, robust & convenient portable rainfall logging system, with automatic data transmission to WeatherMation LIVE.