

# MONITOR SENSORS

## RG1 RG2 RG5

### ***μSMART*** Rain Gauge

The ***μSMART*** tipping bucket rain gauge accurately measures rainfall. The construction includes a flow regulating siphon assembly, a debris filter, and a bubble level for horizontal adjustment.

The sensor ***Monibus*** interface allows the user to modify the sensor operation through the built-in sensor menus. The sensor incorporates a microprocessor to provide accurate, repeatable readings.

The robust mechanical design ensures a long operational life.

- Mechanical**
- Jewel bearing – ABS bucket
  - High quality reed switch & magnet
  - Powder coated aluminium body
  - Stainless steel filter
  - High durability cable

**Specifications**

- Range:**
- RG1** 0.1mm bucket
  - RG2** 0.2mm bucket
  - RG5** 0.5mm bucket

**Accuracy:** ± 2% at a rainfall rate of 720mm/hr

**Operational:** -40°C to +80°C

- Output options:**
- ***Monibus*** serial data ASCII format
  - voltage free contacts – 1 x closure each tip

**Power Supply:** 6-28 Vdc unregulated

**Supply current:** 1.2 mA active

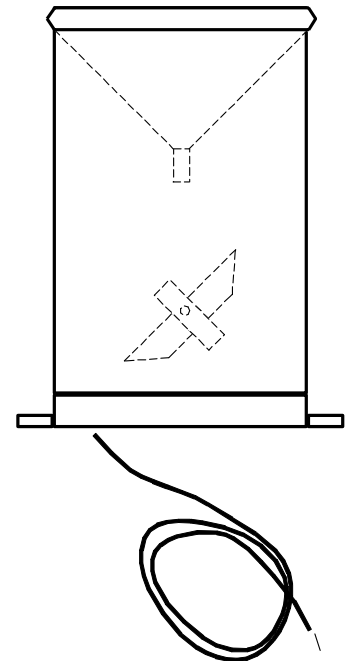
**Sensor weight:** 3.2 kg

**Dimensions:** Overall height – 320 mm x 250 mm Ø

**Mounting:** 3 x M12 bolts – allows levelling adjustment

**Cable Details:** 4m - 10m up to 100m by special order

**Warranty:** **12 months** – full details can be found in the Monitor Sensors standard warranty document  
[http://www.monitorsensors.com/docs/std\\_warranty.pdf](http://www.monitorsensors.com/docs/std_warranty.pdf)



**Order codes:**

<b>RG1</b>	0.1 mm bucket tip	<b>RG1-D</b>	0.1 mm bucket tip voltage free contact
<b>RG2</b>	0.2 mm bucket tip	<b>RG2-D</b>	0.2 mm bucket tip voltage free contact
<b>RG5</b>	0.5 mm bucket tip	<b>RG5-D</b>	0.5 mm bucket tip voltage free contact
<b>RGA</b>	1 mm bucket tip	<b>RGA-D</b>	1 mm bucket tip voltage free contact

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