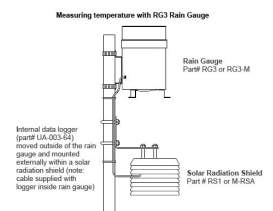




# HOBO RG3-M Rain Gauge Data Logger (Metric)

## Product Images



## Short Description

The RG3-M Data Logging Rain Gauge automatically records up to 3200 mm of rainfall data that can be used to determine rainfall rates, times and duration.

Integrates a HOBO Pendant Event data logger into a tipping-bucket rain gauge.

Also records temperature when used with an optional solar radiation shield.

## Description

### Key Features

- A high quality tipping-bucket rain gauge includes a HOBO Pendant Event data logger. Base station or shuttle is required.

- Time and date stamp is stored for each tip - provides detail needed to determine rainfall rates and duration.
- Reliable, field-proven rain gauge.
- Compatible with HOBOWare and HOBOWare Pro software for logger setup, graphing and analysis.
- Also records temperature when used with an optional solar radiation shield.

There are two ways to launch the data logger and offload the data (see Connectivity Options below):

- Using an Optic Base Station with USB interface, and [HOBOWare \(FREE\)](#) (Windows/Mac) software.
- Via a Shuttle and HOBOWare Pro software. The advantage of this method is that you can launch and offload multiple pendants using the shuttle without the need to take your laptop/PC to each pendant. This is particularly useful for field research.

Country of Manufacture	United States
Explanation	<p><b>Rain Gauge</b> <b>Maximum rainfall rate:</b> 12.7 cm (5 in.) per hour <b>Calibration accuracy:</b> ±1.0% (up to 1 in./hour for the RG3 or 20 mm/hour for the RG3-M) <b>Resolution:</b> 0.01 in. (RG3) or 0.2 mm (RG3-M) <b>Calibration:</b> Requires annual calibration: can be field calibrated or returned to the factory for re-calibration <b>Operating temperature range:</b> 0° to +50°C (+32° to +122°F) <b>Storage temperature range:</b> -20° to +70°C (-4° to +158°F) <b>Environmental rating:</b> Weatherproof <b>Housing:</b> 15.24cm (6-in.) aluminum bucket <b>Tipping bucket mechanism:</b> Stainless steel shaft with brass bearings <b>Dimensions:</b> 25.72 cm height x 15.24 cm diameter (10.125 x 6 in.); 15.39 cm (6.06 in.) receiving orifice <b>Weight:</b> 1.2 Kg (2.5 lbs) <b>Part numbers:</b> RG3 (0.01 in. per tip), RG3-M (0.2 mm per tip) The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).</p> <p><b>Logger</b> <b>Time stamp resolution:</b> 1.0 second <b>Time accuracy:</b> ± 1 minute per month at 25°C (77°F), see Plot B on page 10. <b>Operating range:</b> -20° to 70°C (-4° to 158°F) <b>Environmental rating (for logger used outside of rain gauge):</b> Tested to NEMA 6 and IP67; suitable for deployment outdoors <b>NIST traceable certification:</b> Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F) <b>Battery:</b> CR-2032 3V lithium battery; 1 year typical use <b>Memory:</b> 64K bytes – 16K to 23K tips when recording rain only; 25K to 30K data points when recording rain and temperature <b>Materials:</b> Polypropylene case; stainless steel screws; Buna-N o-ring; PVC cable insulation The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).</p> <p><b>Temperature Measurement</b> <b>Measurement range:</b> -20° to 70°C (-4° to 158°F) <b>Accuracy:</b> ± 0.47°C at 25°C (± 0.85°F at 77°F), A solar radiation shield is required for accurate temperature measurements in sunlight. <b>Resolution:</b> 0.10°C at 25°C (0.18°F at 77°F) <b>Drift:</b> Less than 0.1°C/year (0.2°F/year) <b>Response time:</b> Airflow of 1 m/s (2.2 mph); 10 minutes, typical to 90%</p>

Contents	<ul style="list-style-type: none"><li>• Tipping-bucket rainfall collector</li><li>• HOBO Pendant Event Logger</li><li>• Mounting accessories: two hose clamps, three screws</li></ul>
Ideal For	Professional, Agronomy
Brand	Onset HOBO
Channel(s)	2
Onset Product Series	RG3
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring
Measurements	Rainfall

## Additional Options

<b>Connectivity Options</b>	HOBO Universal Optic USB Base Station Base-U-4 (includes Couplers)
	Waterproof Optic Data Shuttle U-DTW-1 (requires HOBOWare Pro)
<b>Temperature Calibration Certificate</b>	2 Point Temperature Calibration (0°C / 60°C)
	2 Point Temperature Calibration (please specify temperature points)
	1 Point Temperature Calibration (0°C)
<b>HOBOWare Pro Software Options</b>	HOBOWare Pro on USB Drive (USB cable included)
	HOBOWare Pro on CD (USB Cable Included)
	HOBOWare Pro - Download Only (USB cable NOT included)
<b>USB Cable (included with HOBOWare Pro on USB Drive &amp; CD)</b>	HOBO U-Series to PC USB Cable