

## Rainfall data logging system



The HOBO RG3 data logging rain gauge is a self-contained device that includes an integrated data logger with a high-quality tipping-bucket rain gauge. The RG3's logger has a built-in temperature sensor and is on a cable so it can be used in an optional radiation shield for logging air temperature.

### Key Advantages:

- Aluminum housing and 15.4 cm (6.06 in) collector ring
- Field-proven design
- Logger can be moved into an optional radiation shield for logging air temperature
- Three mounting feet to use on flat, level surfaces
- Side bracket for mast mounting (hose clamps included)
- Self-emptying for continuous rainfall logging

### Supported Measurements:

- Rainfall
- Temperature

### Minimum System Requirements:



HOBOnnect



Software



Base Station



Coupler

- iOS 11, 12 and 13
- Android 7, 8, 9 and 10
- Bluetooth 4.X and up



## Technical Specifications:

<b>Part numbers</b>	<b>RG3-M, RG3</b>
<b>Memory</b>	Events only: 16K to 23K events Events and temperature: 25K to 30K data points
<b>Measurement range</b>	Up to 320 cm (RG3-M), up to 160 in (RG3)
<b>Resolution</b>	0.2 mm (RG3-M), 0.01 in (RG3)
<b>Time stamp resolution</b>	1 second
<b>Maximum Rainfall rate</b>	12.7 cm (5 in) per hour
<b>Battery life</b>	1 year typical, user-replaceable, CR2032
	<b>Temperature</b>
<b>Measurement range</b>	-20° to 70°C (-4° to 158°F)
<b>Accuracy</b>	± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F); a solar radiation shield is required for temperature measurements in sunlight
<b>Resolution</b>	0.14°C at 25°C (0.25°F at 77°F)
<b>Sample rate</b>	1 second to 18 hours, user-selectable
<b>Dimensions</b>	15.2 cm diameter x 25.7 cm high (6 x 10 in) 1.2 kg (2.5 lbs)
<b>CE compliant</b>	Yes

## HOBOconnect® App for MX Data Loggers

Easy logger setup and data management with your mobile device or Windows computer

Onset's free HOBObconnect app makes it fast and easy to configure compatible HOBO MX Series data loggers (chart below) and manage the collected data. Just download the app from the Apple App Store or Google Play to your mobile device, or download from our website to your Windows computer. With HOBObconnect, you can view data in graphs, check the operational status of loggers, share data files and graph images for analysis in Excel, Numbers, and other applications, plus store data in the cloud. HOBObconnect also lets you quickly set up audible alarm notifications, so you're immediately alerted to any problems.



### Features:

- Communicates to HOBO MX data loggers using Bluetooth (LE) technology
- No internet connection required
- Set data logger's name, password, logging rate, alarm threshold, start and stop time
- Automatically upload data to Onset's cloud-based HOBOblink software to store and merge data files
- Configure and clear audible alarms
- Page the data logger
- Quickly download and view data
- Export and share data as CSV, TXT, XLSX, or HOBO files