

HOBO® Data Logging Rain Gauge

- Self-contained rainfall logger includes a HOBO Pendant™ Event data logger with a high quality tipping-bucket rain gauge
- Time and date stamp is stored for each tip — provides detail needed to determine rainfall rates and duration
- Reliable, field-proven rain gauge
- Also records temperature when used with an optional radiation shield

Data Logging Rain Gauge

0.2 mm: #RG3-M

0.01 in: #RG3

Size/Weight:

15.24 cm diameter x
25.7 cm high
(6 x 10 in)
1.2 kg (2.5 lbs)



Memory: 64K; number of data points depends on rainfall rate
16K to 23K tips when recording rainfall only
25K to 30K tips and temperature measurements when recording both

Battery life: 1 year (typical)— user-replaceable

Rainfall

Range: Up to 320 cm (RG3-M), up to 16 in. (RG3)
Resolution: 0.2 mm (RG3-M), 0.01 in. (RG3)
Time stamp resolution: 1 second
Calibration accuracy: ±1.0% (up to 20 mm/hr [RG3-M], 1 in/hr [RG3])

Temperature

Range: -20° to 70°C (-4° to 158°F)
Accuracy: ±0.47° @ 25°C (±0.85° @ 77°F); a solar radiation shield is required for temperature measurements
Resolution: 0.10° @ 25°C (0.18° @ 77°F)
Response time: 15 minutes (to 90% in airflow of 1 m/s)
Sample rate: 1 second to 18 hours, user-selectable

- Constructed from field-proven corrosion-resistant components: aluminum housing and collector ring; stainless steel shaft and brass bearings; tipping bucket is high-precision, injection-molded, high-impact ABS plastic
- Three mounting feet to use on flat, level surfaces (three screws included)
- Side bracket for mast mounting (hose clamps included)
- 15.4 cm (6.06 in.) collector ring
- Self-emptying for continuous rainfall logging

Optional NIST-traceable certification available (temperature only)



Complete system requires logger, software, and base station

Data Logging Rain Gauge Ordering Information

Description	Part No.
Data Logging Rain Gauge:**	
0.2 mm	RG3-M
0.01 in.	RG3

Software and Communications

HOBOWare® Pro Software (Windows®)	BHW-PC
HOBOWare Pro Software (Mac)	BHW-MAC
Pendant Base Station*	BASE-U-1

Optional Communications and Accessories

HOBO Waterproof Shuttle with Couplers	U-DTW-1
HOBO U-Shuttle (requires Base Station)	U-DT-1
Solar Radiation Shield (unassembled)	RS1

* HOBO Waterproof Shuttle or Optic USB Base Station (BASE-U-4) can be used instead of the Pendant Base Station

** Also compatible with HOBOWare Lite, see page 21