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)



 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

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

1 year (typical) — user-replaceable

Battery life:

CE

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

Accuracy:

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)

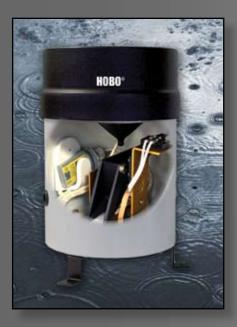
±0.47° @ 25°C (±0.85° @ 77°F); a solar radiation shield is required for

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

Optional NIST-traceable certification available (temperature only)



Patented technology (U.S. Patent 6,826,664)

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