

# RECORDING RAIN GAUGE

## FEATURES

- **Economical**
- **Reliable, Durable, Accurate**
- **English or Metric Calibrations**
- **Records History of Precipitation Events**
- **12-Month Battery Life**
- **Rugged, Watertight Construction**

Climatronics' Model 102176-G1 Recording Rain Gauge provides an accurate, reliable, and economical means of recording the time history of precipitation. The system consists of a P/N 102345 Event Recorder housed inside our P/N 100097 8-inch Tipping Bucket Rain Gauge.

The gauge is easy to install on a level surface, which is free from obstruction. An optional windshield is available to prevent up-lift near the gauge, insuring representative data capture.

The event recorder is a compact, electronic recorder that mounts inside the rain gauge and connects directly to the sensor switch. The recorder counts the number of pulses that occur during a user-programmed time intervals, and saves up to 8,000 events in non-volatile solid-state memory.

Data stored in the event recorder is transferred to the users computer to display, archive, or produce report-ready, hard-copy records. Data may be transferred from the recorder to computer by either direct connection or by use of a portable data transfer unit.

Climatronics Precipitation Recorder offers many advantages over other similar systems. It is so compact that it fits inside the housing of the precipitation gauge. The unit is rugged, watertight, self-powered, and maintenance-free. The computer-generated output records are time-marked, scaled, annotated, and report-ready. Being Windows-compatible, the outputs from the reports are easily plotted. The data can also be displayed in multiple data windows for comparisons between gauges, copied and pasted into other Windows applications, or exported to conventional spreadsheet programs.



## SPECIFICATIONS

### 8-Inch Tipping Bucket Rain Gauge (P/N 100097)

#### PERFORMANCE

Accuracy  $\pm 1\%$  for rain rates of 0 to 3 in/hr (0 to 7.6 cm/hr)  
Resolution/Sensitivity 0.01 in (0.25 mm) or 0.004 in (0.1 mm)

#### ELECTRICAL

Power Requirements (without heat) None  
Output Momentary switch closure  
Contact Rating 3A at 50 VDC

#### PHYSICAL

Size 10.25 in H x 6.25 in diameter  
(26.0 cm H x 15.9 cm diameter)  
Weight 2.5 lbs (1.1 kg)  
Operating Temperature (heated) -40° to 140°F (-40° to 60°C)

### Event Recorder, P/N 102345

#### PERFORMANCE

Capacity 8,000 events, or 80.00 in @ 0.01 in/tip  
Resolution 0.5 seconds  
Memory Modes Stop when full or wrap-around when full  
Operating Temperature -4° to +158°F (-20° to +70°C)  
Time Accuracy  $\pm 1$  minute per week at 68°F (20°C)

#### PHYSICAL

Dimensions 4.3 x 3.5 x 1.8 in (10.8 x 8.9 x 4.4 cm)  
Weight 3.3 oz (94 grams)

### Data Transporter, P/N H09- 001- 0S

Capacity 468 Kbytes (51 Recorders), EEPROM non-volatile storage  
Data Offload Time <90 seconds  
Data Readout Time to PC <2 minutes for full transporter

### Data Processing Software, P/N BPK-P-ONS

Operating System Windows 3.1, 95, 98, NT or 2000  
Formats Graphical and tabular formats; zoom in on data of interest; copy and paste graphs to other Windows applications; export data to spreadsheets  
Compliance Year 2000 compliant



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