

**260-6113-A Event Recorder**

260-6113-A Event Recorder

- Heavy-duty solenoid
- Built-in battery box
- 100 events per traverse
- 1-7-31 day recording

The **Model 260-6113-A Event Recorder** is normally used to record precipitation measured by a tipping bucket gauge, but it can be used with any instrument that provides a switch closure event (for example, a contact anemometer). A heavy-duty 3-volt electromagnet is energized by the momentary switch closure and advances a ratchet one notch. The ratchet in turn moves the pen up one step on the chart paper. One hundred events are recorded from the bottom to the top of the chart, ensuring data resolution even in the heaviest rains. When the pen reaches the top of the chart, it automatically returns to zero to begin another traverse. A dash-pot slows the pen's descent.

A battery box under the base holds two D-cell batteries which power the electromagnet in the recorder. Terminal posts are mounted on the side of the recorder to connect the 2-conductor cable from the rain gauge. Battery terminals are also provided to allow connection of an external battery, such as a 6-volt lantern battery. An external battery may be desirable for cable runs in excess of 500 feet (150 m). The minimum voltage required to activate the electromagnet is 2.4 volts.

The recorder clock is battery-operated. A switch is used to convert from daily (26 hours) to weekly (176 hours) to monthly rotation. All internal parts of the event recorder are chrome-plated brass and are protected by a dust cover. The instrument base is cast aluminum. The recorder should be used indoors or in an instrument shelter outdoors.

**Specifications**

Input: Contact closure  
 Range: 0-100 counts, continuously recycling  
 Pen control: Electromagnet-activated ratchet and cam  
 Coil operating voltage: 3.0 to 6.0 Vdc  
 Coil resistance: Approx 30 ohms  
 Chart size: 4.9" H x 13.5" L (124 mm x 343 mm)  
 Graduations: 2 counts  
 Resolution: 1 count  
 Clock type: 1.5 Vdc battery-operated (2 AA cells)  
 Drum rotation: 1 day (26 hours), 7 days (176 hours),  
 or 31 days, switch selectable  
 Pen type: Cartridge  
 Pen return: Automatic, dash-pot dampened  
 Size: 13" W x 9.25" H x 5.75" D (330 mm x 235 mm x 146 mm)  
 Weight/shipping: 8.75 lbs/13 lbs (4 kg/5.9 kg)

**Ordering Information**

260-6113-A	Event Recorder with battery-operated 1-7-31 day clock, pen, and one pack of weekly or monthly charts (specify charts)
260-61105	Silicon Oil for dash-pot, 1 oz (30 ml)
390-88101	Replacement Cartridge Pen, blue ink
390-88102	Replacement Cartridge Pen, red ink

**Charts**

	Range	Drum Rotation	Charts/Pkg
260-61101	0-100 steps/traverse	7 days	55
260-61102	0-100 steps/traverse	1 day	400
260-61103	0-100 steps/traverse	31 days	25