



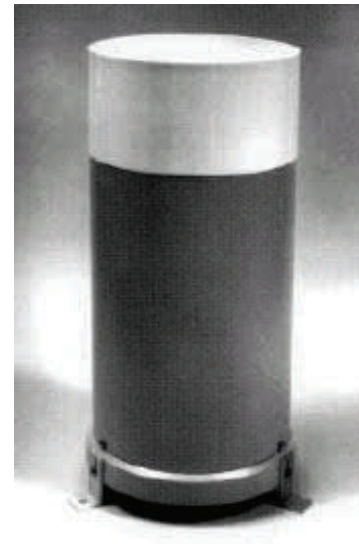
Liquid Precipitation Accumulation Sensor S7479

- 8 inch funnel diameter •
- Self-emptying •
- Corrosion resistant materials •

This heated tipping bucket design allows accurate, repeatable measurements, requires no regular operator maintenance, and is economical and proven in operation.

A dual-chambered tipping bucket assembly is located below the collection funnel. When a precise amount of precipitation has been collected in one side of the bucket, gravity tips the assembly and activates a reed switch. A momentary electrical contact closure through the switch is provided for each increment of rainfall. Sample is discharged through the base of the gauge. Heating elements are thermostatically controlled to melt and measure the water content of snow and frozen rain, but to avoid evaporative loss.

A heavy machined aluminum base provides a stable platform for the tipping assembly. Bucket is made from stainless steel and is Teflon coated to prevent retention of the sample. The bucket pivots are precision machined and fitted with jeweled bearings to reduce wear and friction. The funnel is powder coated aluminum and has two screens for preventing leaves and other debris from entering or clogging the gauge. A circular bubble-level and adjustable feet facilitate proper mounting of the unit.





Technical Specifications

S7479

Operating Temperature:	-50°C to +65°C
Accuracy:	+/- 0.5% at 0.5 inches/hr +/- 1% at 1 to 3 inches/hr
Switch Type:	Reed
Switch Rating:	10 mA, 28 VDC
Calibration:	0.01 inch (standard) 0.2 mm or 0.25 mm (optional)
Heater Voltage:	115 VAC, 315 W
Thermostat Point Set	
Funnel Heater:	4.4°C (40°F)
Base Heater:	4.4°C (40°F)

PHYSICAL

Funnel Diameter:	8 inches (20.3 cm)
Height:	18 inches (46 cm)
Weight:	6.5 lbs (3 kg)