



## WMO Rain Gauge

### S9060-525M

- **Catchment area of 400 cm<sup>2</sup>** •
  - High resolution metric output
  - Interfaces to virtually all data acquisition systems
  - Knife-edge collector optimizes rainfall catch
- Exceptional splash-out protection to compensate for wind errors
  - Integral Bubble Level

#### **Tipping Bucket Rain Gauge meets the specifications of the World Meteorological Organization (WMO).**

The design uses a proven tipping bucket mechanism for simple and effective rainfall measurement. The bucket geometry and material are specially selected for maximum water release, thereby reducing contamination and errors. Catchment area of 400 cm<sup>2</sup> and measurement resolution of 0.1 mm meet the recommendations of the WMO. Leveling screws and bullseye level are built in for easy and precise adjustment in the field. Measured precipitation is discharged through a collection tube for verification of total rainfall

This rain gauge is a freestanding receptacle for measuring precipitation. It contains an open top, which allows rainfall to fall into the upper portion, which is called the collector. Collected water is funneled to a mechanical device (tipping bucket), which incrementally measures the rainfall accumulation and causes a momentary closure of a switch. As water is collected, the tipping bucket fills to the point where it tips over. This action empties the bucket in preparation for additional measurement. Water discharged by the tipping bucket passes out of the rain gauge with no need for emptying.





## Technical Specifications

**S9060-525M**

Resolution:	0.1 mm Metric
Accuracy:	1.0% up to 2"/hr (50 mm/hr)
Collector diameter:	9.66" (245 mm) with knife-edge
Funnel depth:	7.2" (183 mm)
Splash out protection:	>2" (50 mm)
Operating Temp:	32 to 125° F (0 to 50° C)
Storage Temp:	-40 to 160° F (-40 to 70° C)
Humidity Limits:	0 to 100%
Weight:	2.5 lbs. (1.2 kg) 6 lbs. (2.7 kg) shipping
Height:	12" (305 mm) >2" (50 mm) splash out protection
Cable:	25', 22 gauge 2 conductor
Switch:	Momentary potted reed switch
Switch rating:	30 VDC @ 2 A, 115 VAC @ 1 A
Switch Closure Time:	135 ms
Bounce Settling Time:	0.75 ms
Pivot:	Hardened SS Jewel & Pivot
Bucket:	UV protected ABS
Level:	Integral Bubble Level
Warranty:	3 years