

RAIN GAUGE

WxRG-160



The **WxRG-160** is a Tipping Bucket Rain Gauge and Precision Weather Instrument designed for measuring rainfall. The gauge is shaped like a funnel and features a 204mm diameter screen. When rainwater enters the funnel, it flows into a triangular-tipping bucket. When the water amount reaches 0.2mm, the bucket tips over and triggers a closed reed switch, generating a pulse signal that is sent to a data logger or any other interface.

Excess water that overflows from the bucket is discharged to the ground through a dump hole. The WxRG-160 provides accurate measurement of rainfall and is a reliable instrument for weather monitoring.

Specifications

Measuring Method	Tipping bucket
Material	Rim : Hard coated brass / Body : Stainless Steel 27
Range	Infinite
Resolution	0.2 mm
Accuracy	$\pm 1\%$ (0 ~ 75 mm/h) / $\pm 3\%$ (75 ~ 250 mm/h)
Collector Diameter	204 mm
Switch type	Reed Switch
Switch closer time	< 10 msec
Wind Shield	Optional