

Tipping Bucket Rain Gauge

Model S200M



TIPPING BUCKET



MOUNTING



MESH FILTER

The **AeroCone Rain Collector** is a tipping bucket rain gauge designed to meet the guidelines of the World Meteorological Organization and IMD .Rain enters the collector cone, passes through a debris-filtering screen, and collects in one chamber of the tipping bucket. The bucket tips when it has collected an amount of water equal to the increment in which the collector measures (0.2mm). As the bucket tips, it causes a switch closure and brings the second tipping bucket chamber into position. The rain water drains out through the screened drains in the base of the collector.

The body and base of the collector are constructed of tough, UV resistant plastic. The tipping bucket pivots on bearings that minimize friction and wear. Stainless steel adjustment screws under each chamber of the tipping bucket allow you to fine-tune the calibration. Mounting holes are predrilled in the base and a built-in leveling trough aids in installation.

Specifications

Inner diameter	Φ203 mm
Tip	0.2mm
Measuring range	unlimited
Accuracy	For rain rates up to 10"/hr (250 mm/hr): ±3% of total or ± one tip of the spoon (0.01"/0.2mm), whichever is greater.
Material	UV resistant plastic
Humidity	95%
Operating Temperature	-10°C~70°C
Discharge Control	Drain out straightly by flow mechanism
Level Control	Bull-eye level fitted on base
Mounting holes	Four mountings