

Tipping Bucket Rain Gauge (RG12 Series)

Features

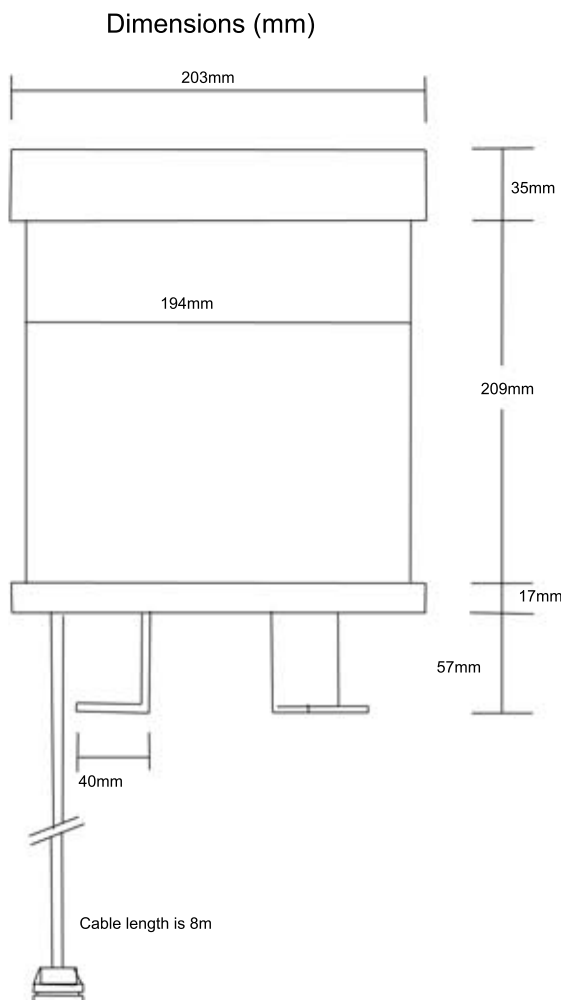
- Stainless steel barrel
- Easy barrel removal
- Easy to clean
- Syphon-action delivery mechanism

Applications

- Rainfall distribution and intensity
- Catchment monitoring
- Soil conservation
- Flood mitigation programs
- Hydrology



The RG12 Series tipping bucket rain gauge is sturdily constructed from polished stainless steel with a painted base and receiver funnel. Gauze filters in the receiver and both outlets prevent debris (e.g. leaves, dirt, insects) from entering the working parts of the instrument.



The gauge is also fitted with a syphon to control and maintain a constant flow-rate into the bucket mechanism. The tipping mechanism is manufactured from stainless steel aluminium and is of very solid construction ensuring that tips are accurate and consistent in volume.

The syphon can easily be taken apart to clean. Algae and dirt will collect in this mechanism, thus making it essential that cleaning becomes an integral part of the maintenance program

Configurations:

- Model: RG12
Tip Size (mm): 0.2
Bucket Type: Stainless Steel
Accuracy: +/-2%
Cable Type: 3 core shielded
Cable Length: 8m
Ordering Information: RG Model -12
Shipping Weight: 2.5kg



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Specifications

Sensing Type:	Tipping Bucket mechanism
Measurement Units:	Millimetres (mm)
Operating Range:	Up to 450 mm/hr
Accuracy:	± 1 tip or ± 2 % of reading whichever is the greater, at low rainfall rates. ± 5 % at rainfall rates above 300 mm/hr.
Resolution:	0.2mm per tip.
Calibration:	Initially calibrated for individual tips of the bucket. The result is confirmed by measuring the number of tips for 0.5 litres of water.
Reliability:	Typically five (5) years' operation possible before overhaul.
Housing:	Stainless steel barrel, powder-coated aluminium base and top.
Receiver funnel:	Diameter-203mm. Height-315mm.
Contact system:	Reed switch
Supply Voltage:	5.5 to 7 Volts DC
Output:	+5 Volt pulse

