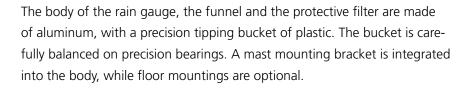


Rain Gauge - ADCON RG1

Adcons RG1 rain gauge is an extremely robust and accurate device that is suitable for many applications, from agriculture to hydrographics to general meteorology. The RG1 is available with a resolution of 0,1mm and 0,2mm and orifices of 200cm² and 400cm², making it compliant with all WMO guidelines.

The sensor employs a double tipping bucket assembly measurement unit. Each tipping action triggers a pulse of a debounced reed switch with a lifetime of >1 Million pulses. The rain gauge can be connected to any logger with a pulse input.



The RG1 is fitted with a 1m cable and 7-pin Binder connector for quick connection to an Adcon RTU. A 5m cable is available as an option.

Applications

- ✓ Weather stations for agriculture and hydrography
- ✓ Industrial rain gauging
- Municipal use, water and waste water companies



RG1 Rain Gauge Body, 200cm² version



RG1 tipping bucket mechanism

Technical data

Dimensions & Weight of Gauge with 200 cm ² of Gauge with 400 cm ²	Ø 162 mm / Height 229 mm / 770 g Ø 237 mm / Height 286 mm / 985 g
Material	Aluminum (body); plastic (spoon)
Orifice and Resolution	200cm²: 0,2mm / 400cm²: 0,1mm
Capacity/hour @ 0,1mm Capacity/hour @ 0,2mm	50mm (100mm w/intensity correction) 100mm (200mm w/intensity correction)
Accuracy of RG1 with 0,1mm resolution	≤ 25mm/h.: ±1% 2575mm/h.: ±3% 75200mm/h.: ±5% w/intensity correction
Accuracy of RG1 with 0,2mm resolution	≤ 50mm/h.: ±1% 50100mm/h.: ±3% 100200mm/h.: ±5% w/intensity correction

Signal output	Pulse signal
Reed Switch	Type: normally open
Measuring Principle	Tipping bucket - double spoon
Connector	M9 7-pin Binder connector
Cable length	100cm
Mounting	Mast mounting bracket with clamps; for poles with 35 - 45mm in Ø
Ordering Information:	
200.733.049	Adcon RG1 0,2mm 200cm²
200.733.048	Adcon RG1 0,1mm 400cm²
800.000.225 / .226	Bird protector 200cm ² / 400cm ²