

# Rain Gauge Professional

The Adcon Professional Rain Gauge is an extremely robust and accurate device, built to meet the needs of professional meteorologists. The Professional Rain Gauge combines high accuracy and low maintenance requirements with full WMO compliance. It is available with 0.1mm and 0.2mm resolution and has an orifice size of 200cm<sup>2</sup>.

The body and the funnel of the rain gauge are made of aluminium. The precision tipping bucket is made of stainless steel and employs the Joss-Tonigni measuring method, which provides unrivaled long term accuracy and stability, with very long recalibration intervals. A sealed reed switch, capable of indefinite operation, and solid mechanics ensure that this instrument has an extremely long working life.

The Professional Rain Gauge is fitted with a 5m cable with a 7pin Binder connector for quick connection to an Adcon RTU.

## Applications

- Professional weather stations
- Hydrography, hydrometrics, flood warning
- Industrial, municipal, utility rain gauging



Adcon Professional Rain Gauge Body



Tipping bucket mechanism

### Technical data

Dimensions	190 mm Ø, 292mm Height	Signal output	Pulse signal
Weight	2.200 gr.	Reed Switch	Type: normally open
Materials used	Body, funnel, base: aluminum Tipping bucket: stainless steel Mounting frame: POM-C	Connector	M9 7-pin Binder connector
Orifice	200cm <sup>2</sup>	Cable length	500cm
Resolution	0.1mm; 0.2mm	Mounting	on poles with 40 - 60mm in Ø
Capacity per Minute	max. 30 tips (3 resp. 6mm)	Ordering Information:	
Accuracy	≤ 3mm/min: ± 1% 3mm - max.: ± 2.5%	200.733.053	Adcon RG1 0.1mm 200cm <sup>2</sup>
Measuring Principle	Tipping bucket - double spoon	200.733.054	Adcon RG1 0.2mm 200cm <sup>2</sup>
		200.733.067	Adcon RG1 0.1mm 200cm <sup>2</sup> , heated
		200.733.068	Adcon RG1 0.2mm 200cm <sup>2</sup> , heated