

## Rain Gauge - Standard

The Standard Rain Gauge is an economic sensor designed for general rainfall monitoring. The gauge has proven durability and excellent accuracy. It features a resolution of 0.2mm with a 200cm<sup>2</sup> orifice.

The body of the rain gauge is made of Styrosun, an extremely tough, UV resistant material.

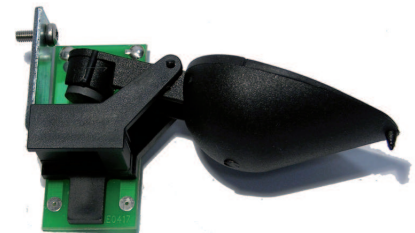
The sensors measuring system consists of a single, self emptying spoon. Once the preset weight of water (4g) has been reached this spoon automatically tips and empties. This tipping action lifts a magnet that passes by a reed switch, triggering a pulse. This mechanism is built in a way that prevents inaccuracies even if the rain collector should not be exactly horizontally mounted. We strongly recommend fitting the rain gauge with the optional bird protector to avoid clogging of the funnel.

### Applications

- Weather stations for agriculture
- Irrigation control
- Hydrographical precipitation networks



Rain Gauge, 0,2mm, 200cm<sup>2</sup>



Tipping bucket mechanism

### Technical data

Dimensions	159.60 mm ø 240.00 mm Height 163.00 mm Width (incl. mounting)	Signal output	Pulse signal
Weight	500 g	Reed Switch	Type: normally open
Material (body)	Styrosun	Measuring Principle	Tipping bucket - single spoon
Orifice	200cm <sup>2</sup>	Connector	M9 7-pin Binder connector
Resolution	0.2mm	Cable length	100cm
Capacity per Minute	max. 12 tips / 2.4 mm	Mounting	Mast mounting bracket with clamps; for poles with 35 - 45mm in ø
Accuracy	≤ 2mm/min.: ± 2% 2 - 4mm/min.: ± 5% ≥ 4mm/min.: ± 10%	Ordering Information	
		200.733.050	Rain Gauge Standard 0.2mm 200cm <sup>2</sup>
		800.000.221	Bird protector