

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 0.0079" with a 31 in² orifice.

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

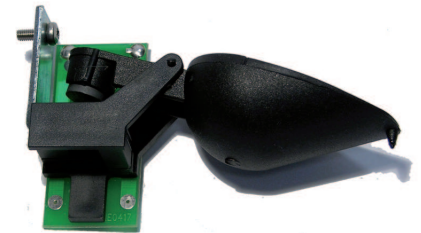
The sensors measuring system consists of a single, self emptying spoon. Once the preset weight of water (0.141 oz.) has been reached the spoon automatically tips and empties. This tipping action lifts a magnet that passes by a reed switch, triggering a pulse. This mechanism is built in a way that prevents 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, 0.0079", 31 in²



Tipping bucket mechanism

Technical data

Dimensions	6.28" Ø 9.45" Height 6.42" Width (incl. mounting)	Signal output	Pulse signal
Weight	1.1 lb.	Reed Switch	Type: normally open
Material (body)	Styrosun	Measuring Principle	Tipping bucket - single spoon
Orifice	31 in ²	Connector	M9 7-pin Binder connector
Resolution	0.0079"	Cable length	3.3 ft.
Capacity per Minute	max. 12 tips / 0.0945"	Mounting	Mast mounting bracket with clamps; for poles with 1.38" - 1.77" in Ø
Accuracy	≤ 0.08"/min.: ± 2% 0.08" - 0.16"/min.: ± 5% ≥ 0.16"/min.: ± 10%	Ordering Information	
		200.733.050	Rain Gauge Standard 0.0079", 31 in ²
		800.000.221	Bird protector