



Tipping bucket rain gauge RG20

Rain gauge with 400cm² funnel area



- Quick and easy installation
- Logger autonomous in energy and communication
- Wireless configuration by radio using HF/USB kit
- Data transfer locally by radio and remotely by 2G / 4G (NB-IoT or LTE-M)

The sensor is made up of a funnel collector and a couple of calibrated collecting containers (tipping buckets). The calibrated collector area and the geometry of the collector prevents the rain from splashing in and out, according to WMO recommendations (World Meteorological Organization). Every time a bucket is filled, the instrument outputs an electrical signal that can be sent to an automatic data acquisition system. If precipitation is in a solid form, snow or hail, the instrument can measure the amount of water obtained from their melting.

Rain gauge RG20	
Sensor Type	Anodized aluminum tipping bucket with double reed switch
Collector Area	400cm ²
Measuring Range	0 ... 300mm/h
Accuracy	<1% @ rain intensity of 30mm/h <2% in the measuring range 20 ... 40mm/h <3% in the measuring range 10 ... 50mm/h
Resolution	0,2mm
Levelling	Level on the bucket assembly
Electrical Output	Double contact 3 wires (on request single contact NC or NO), 1 pulse is equivalent to 0.2mm of rain
Operating Range	0...+70°C; -30...+70°C (with heater system)
Maintenance	Scheduled cleaning (suggested every 6 months)
Calibration	Calibration of the bucket assembly suggested every 2 years
Compatible data Loggers and accessories	
LOG03V3 LOG04V3 LNU06V4 LNR06V4	Battery powered Logger HF, IP68 (1bar/30 days) memory of 1 000 000 measures, communication options to send data using 2G / 4G
G0A00053	Stainless steel support and tube to screw Øext. 60.3mm, Length : 658MM

Dimensions	
Size	Ø 230 mm x H 480 mm
Weight	3,5 Kg