



# Tipping bucket rain gauge RG20



## Rain gauge with 400cm<sup>2</sup> funnel area



- Quick and easy installation
- Logger autonomous in energy and communication
- Wireless configuration by radio using HF/USB kit
- Data transfer locally by HF and remotely by 2G/3G/Sigfox

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		Dimensions	
<b>Sensor Type</b>	Anodized aluminum tipping bucket with double reed switch	<b>Size</b>	Ø 230 mm x H 480 mm
<b>Collector Area</b>	400cm <sup>2</sup>	<b>Weight</b>	3,5 Kg
<b>Measuring Range</b>	0 ... 300mm/h		
<b>Accuracy</b>	<1% @ rain intensity of 30mm/h <2% in the measuring range 20 ... 40mm/h <3% in the measuring range 10 ... 50mm/h		
<b>Resolution</b>	0,2mm		
<b>Levelling</b>	Level on the bucket assembly		
<b>Electrical Output</b>	Double contact 3 wires (on request single contact NC or NO), 1 pulse is equivalent to 0.2mm of rain		
<b>Operating Range</b>	0...+70°C; -30...+70°C (with heater system)		
<b>Maintenance</b>	Scheduled cleaning (suggested every 6 months)		
<b>Calibration</b>	Calibration of the bucket assembly suggested every 2 years		
<b>Compatible data Loggers and accessories</b>			
<b>LOG03V3</b> <b>LOG04V3</b> <b>LOG10V3</b>	Battery powered Logger HF, IP68, memory of 1 000 000 measures, communication options to send data using 2G / 3G / Sigfox		
<b>G0A00053</b>	Stainless steel support and tube to screw Øext. 60.3mm, Length : 658MM		