



Raincrop

Technical data sheet

Technical description



Technical data

Measurements		
Rain Gauge	Principle of operation	Double tipping buckets
	Operating temperature range	0 - +85 °C
	Measurement range	0 - 1039 mm/h
	Accuracy	± 4 % at 50 mm/h
	Resolution	0.254 mm
Temperature and humidity	Principle of operation	3 digital sensors
	Temperature range	-40 °C to +125 °C
	Humidity range	0 % to 100 %
	Temperature accuracy	± 0.2 °C typ. / ± 0.3 °C max. (-40 °C to +90 °C)
	Humidity accuracy	± 2 % typ. / ± 3 % max. from 0 °C to 80 °C (0 % HR to 100 % HR)
Mechanical characteristics		
Mast + Tripods	Material	Stainless steel
	Dimensions	Length 170 cm Diameter 30 mm
	Weight	3.5 kg
Radiation shield	Material	ASA
Rain gauge	Material	UV-stabilized ABS plastic
	Collection area	214 cm ²
Support plate	Material	Stainless steel
General		
Battery	Battery	Lithium-Thionyl Chloride - capacity 19Ah - 3.6V
	Temperature range	-60°C to +85°C
Other sensors	Accelerometer	
	GPS	
Communication	Network	Sigfox (868 MHz)
	Data transmission period	Every 15 minutes