



Rainfall Smart Sensor

Two Rainfall Smart Sensors for use with HOBO Weather Stations and compatible loggers.

S-RGA-M002 (English system) measures up to 5 inches of rain per hour with a resolution of 0.01 inch and a maximum of 4000 tips per interval, whilst the **S-RGB-M002** measures up to 10 cm of rain per hour with a resolution of 0.2 mm and a maximum of 4000 tips per interval.

The mechanism is a tipping bucket mounted on a stainless steel shaft with brass bearings.

Both sensors include 2 metre cables.

	S-RGA-M002	S-RGB-M002
Measurement Range	0 – 10 cm or 0 - 5 in. per hour (maximum 4000 tips interval)	0 – 10 cm or 0 - 5 in. per hour (maximum 4000 tips interval)
Resolution	0.01 inches	0.2 mm
Operating Range	0°C to +50°C Note: The unit will survive temperatures of -40°C to +75°C	0°C to +50°C Note: The unit will survive temperatures of -40°C to +75°C
Calibration Accuracy	± 1.0% at up to 20 mm or 1" per hour	± 1.0% at up to 20 mm or 1" per hour
Mechanism	Tipping bucket, stainless steel shaft with brass bearings	Tipping bucket, stainless steel shaft with brass bearings
Housing	Aluminium housing and collector	Aluminium housing and collector
Dimensions	228 mm high x 154 mm diameter	228 mm high x 154 mm diameter
Weight	1 Kg	1 Kg
Cable Length	2 metres (6 metres available)	2 metres (6 metres available)
Compatible Loggers	H21-001, H21-002, H21-SYS-A, H22-001, U30-ETH, U30-GSM, U30-NRC, U30-WIF	

* Requires annual calibration but can be calibrated by the user, or returned to factory

Note: Supplied with side brackets for post or tripod mount and feet for surface mount. If mounting separate from main tripod, order with 6m cable and an additional 1.5m mast. If mounting on main tripod order with guy wire kit.