

Rain Meter - RAIN-01



WHAT IS A RAIN GAUGE:?

A rain meter is an instrument used to measure the total amount of precipitation.

HOW IT WORKS

The rain meter consists of a small funnel that directs collected water into a small see-saw container. After 0.3mm has been collected on the funnel top surface, the weight of the collected water tips the see-saw and dumps the collected water, ready to fill up the other end of the see-saw. This tipping action results in a pulse signal which the GSM Commander (GC0641 or GC1281) can easily keep track of. You can tally up the rainfall for the past minute / hour / day / week / year or anything in between. The pulse that the sensor produces has a very short length, sometimes too short for the GSM Commander to register. This is why we include a pulse stretcher (PST001) in the package, which will guarantee that the GSM Commander sees each and every precious drop that falls.

PLEASE NOTE

The rain meter is constructed out of ABS plastic, and is NOT UV Stable!
- It is highly recommended that the meter be shrouded from direct sunlight in some way, or else the sun will completely destroy it in as little as 2 years..

Specifications

Weight :	300 grams
Dimensions:	150 x 59 x 80mm
Output:	Dry Contact / Pulse Output
Pulse Length:	<50ms
Ratio:	1 Pulse = 0.3mm of rain
Material:	White ABS Plastic
Operating Temperature:	2°C to 60°C

A Pulse Stretcher is required when interfacing with an input on the GSM Commander. The PST001 is included when purchasing the RAIN-01