

The **Model 3510 Tipping Bucket Rain Gage w/Siphon** is recognized as the standard for measuring rainfall and precipitation in remote and unattended locations. The unit consists of a collector funnel, a stainless steel filter screen and a tipping bucket mechanism. The bucket tips when precipitation of 0.1 mm, 0.2 mm, 0.5mm, 1.0 mm or 0.01 inch has been collected. Each tip is marked by a reed switch closure and can be recorded by datalogger or DCP for satellite or radio telemetry transmitting.

The **Model 3510 Tipping Bucket Rain Gage w/Siphon** is designed for general rainfall measurements. The receiver is WMO & NOAA standard 8" (200 mm) in diameter and tipping buckets are available to measure each 0.1 mm, 0.2 mm, 0.5mm, 1.0 mm or 0.01 of precipitation. The gages are supplied with a siphon that allows the rain to flow at a steady rate to the tipping bucket mechanism regardless of rainfall intensity. This provides accurate measurements for a range of 0 - 27" (700 mm) per hour. The siphon can be dismantled for routine servicing, and funnel collector comes with a leaf filter.



Product Features

- *World Standard 205 mm, 8.08 inch catch*
- *Bucket Sizes 0.2 mm, 0.5 mm, 1.0 mm, 0.01 inch or 0.1 mm*
- *Integrated siphon mechanism*
- *Bubble Level in base*
- *Single reed switch output signal*

Supplied complete with a reed switch assembly, anodized and powder coated aluminum funnel, powder coated aluminum cover and base with mounting holes, Jewel Sapphire Bearings with stainless steel shafts, injection molded ABS chrome bucket, stainless steel fasteners and leaf sieve, with 10 meters of 2 conductor connecting cable.

ORDERING INFORMATION

- 1001-005 Tip Bucket, Std, 0.1mm,wSiphon
- 1001-001 Tip Bucket, Std, 0.2mm,wSiphon
- 1001-002 Tip Bucket, Std, 0.5mm,wSiphon
- 1001-003 Tip Bucket, Std, 1.0mm,wSiphon
- 1001-004 Tip Bucket, Std, 0.01in,wSiphon

SPECIFICATIONS	
Receiver	200 mm \pm 0.3 diameter with machined aluminum 8 inch rim
Sensitivity	One tip at 0.1, 0.2, 0.5, 1.0 mm or 0.01 inch
Measuring Range	0-700 mm/hr, 0-27 inches/hr
Measuring Intensity Accuracy	\pm 2% @ 0 -250 mm/hr - 0 to 10 inch/hr \pm 3% @ 250 - 500 mm/hr - 10 to 20 inch/hr \pm 5% @ 500 - 700 mm/hr - 20 to 27 inch/hr
Sensor	Tipping bucket with siphon
Siphon	0.4 mm (12ml) capacity brass & non-hydroscopic polymer with leaf/insect screen filter
Bucket	Injection molded non-hydroscopic ABS, UV stabilized, chrome plated & balanced
Bearings	Sapphire jeweled bearings with hard stainless steel shaft (pivots)
Bulls Eye Bubble Level	Plus threaded drain holes
Contact System	Reed switch, potted in silicon rubber
Contact Capacity	24 V (0.5 amp max) - 12VDC Standard Operating
Contact Time	0.1 second
Temperature	-20 to + 70 Degrees C
Humidity	0 to 100%
Height	17 inches (432 mm)
Weight	6.6 lb. (3 kg)