



## PRODUCT SHEET

### Tipping bucket raingauge

EIT uses and recommends the Hydrological Services Tipping Bucket Raingauge which is recognised as the standard for measuring rainfall and precipitation in remote and unattended locations. The integrated siphon mechanism delivers high levels of accuracy across a broad range of rainfall intensities. Each unit consists of a collector funnel with stainless steel leaf sieve, an integrated siphon control mechanism, an outer enclosure with quick release fasteners, and base which houses the tipping bucket mechanism. The unit includes dual output reed switches with Varistor protection as well as dual rainfall discharge outlets for water collection and/or analysis. Insect screens are fitted to all outer openings. The bucket tips when precipitation of 0.01 inch, 0.2 mm, 0.5 mm or 1.0 mm has been collected. Each tip is marked by a reed switch closure and stored to a Data Logger and/or used by a Telemetry System.



#### Specifications

EIT product code	HS TB 5
Receiver:	200 mm +/-0.3 diameter with Injection Moulded ASA, UV stabilised for long life
Sensitivity:	One tip at 0.01 inch, 0.2 mm or 0.5 mm
Measuring Range:	0-700 mm/hr.
Calibration:	+/-4% 25-500 mm/hr. long term stable calibration
Sensor:	Tipping Bucket with Siphon
Contact System:	Dual Reed Switches, potted in Silicon Rubber with Varister protection
Contact Capacity:	12 VDC, 0.5 amp max.
Contact Time:	0.1 second
Bucket:	0.01 inch, 0.2 mm & 0.5 mm - Injection Moulded ABS Chrome Plated.
Pivots:	Stainless Spring Steel Shaft & Rolling Bearing
Base:	Injection Moulded ASA, UV stabilised for long life
Catch:	Injection Moulded ASA, UV stabilised for long life
Outer Enclosure:	Powder coated Aluminum with quick release design
Level:	Bulls eye level on base
Mounting Holes:	Three 10 mm diameter @117 mm PCD
Drain Fittings:	Attachment for 12 mm diameter clear tubing
Insect Covers:	Stainless Steel mesh on all openings

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