

6506

TIPPING BUCKET RAIN GAUGE



MODEL C



The Unidata 6506 tipping bucket rain gauge uses the tipping bucket principle to record rainfall. The Unidata 6506 can be connected to many dataloggers/ rtus including the Unidata Starlog and Neon Remote Terminal range.

The Unidata 6506 tipping bucket rain gauge is sturdily constructed with stainless steel jacket, copper collector and painted marine grade aluminium base.

The integrated syphon 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 syphon control mechanism, an outer enclosure with quick release fasteners, and base which houses the

tipping bucket mechanism. This ensures reliable rainfall recording in even the highest rainfall intensities.

The unit includes dual output reed switch as well as dual rainfall discharge outlets for water collection and/or analysis. The bucket tips when precipitation 0.2mm has been collected. Each tip is marked by a reed switch closure and transmitted to a datalogger and/or used by a telemetry system.

Optional heater kit and pole mounting bracket are available.

SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	SS jacket, copper collector and marine grade aluminium base
WEIGHT AND SIZE	Collector Diameter 203mm (8") ± 0.2mm 5.5kg net, 300mm H, 230mm Body Diameter 275mm Mounting Flange Diameter

OPERATING TEMPERATURE:	0°C to 60°C without heating
ACCURACY:	±1.0% to 200mm/hr, ±3.0% to 380mm/hr, useful to over 500mm
BUCKET CAPACITY:	0.2mm/0.5mm
SIGNAL ELEMENT:	Dual reed switch assembly
CABLE:	5m of 2 way instrumentation screened cable - PVC