



# Odyssey® Xtream Rain Gauge Logger Datasheet

The Xtream rain gauge logger is designed to be used with a third party tipping bucket. It can be purchased with the Davis tipping bucket or you can connect it to other tipping buckets. When the bucket tips the counter is incremented then stored in the internal non-volatile memory along with the ambient temperature (measured inside the logger) and a timestamp. For periods of dry weather the logger can be set to log at a regular interval. When in range, the logger wirelessly communicates to the Odyssey® Xtract software application ( download free from Play Store or App Store ) on your android phone or tablet and stores the readings on your device. When the Xtract application detects a network connection, it sends the data to the cloud database servers. Using any standard internet browser, connect to our Odyssey® Xpert Web portal to analyse your data.



## Features

- Optionally sold with Davis tipping bucket.
- Low Cost
- Wireless
- Waterproof Logger and sensor to IP67
- Removable cable to tipping bucket
- Internal Ambient Temperature reading
- Variable logging interval
- Continuous ring buffer storage

**Specification:** ( typical conditions, Battery voltage 3V, Temperature 22°C )

Rain Gauge Resolution	0.2mm Based on Davis Tipping Bucket
Temperature – Accuracy	±0.5°C typical ( ±2.0°C max )
Temperature Resolution	0.0625°C
Calculated Battery Life – (Extended / Standard) – (Industrial)	2 years Based on 10,900 tips per year 5+ Years ( Dependent on average temperature )
Memory Capacity	60,000 readings Including Temperature
Operating Temperature – (Standard) – (Extended / Industrial)	-20 to 55°C ( Standard battery with reduced life below 0°C ) -20 to 60°C / -30 to 85°C
Water Proof	IP67 ( Optional IP68 )
Dimensions - Logger	46mm Diameter, 160mm Length
Wireless Communications	<b>Bluetooth®</b> LE
Supported Phone/Tablet	<b>Android™</b> V8.0 or greater. <b>Apple IOS®</b> V9.3.6 or greater.
Battery ( standard ) ( 2 per logger )	Alkaline AA 1.5V ( Energizer Max® E91 )
Approvals	FCC, CE, RCM, ISED, MIC, KC, NCC, SRRC, WPC