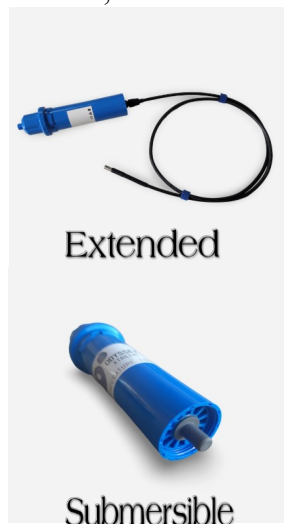




Odyssey® Xtream Temperature Logger Datasheet

The Xtream temperature logger has two accurate temperature sensors for measuring the temperature in a variety of environments. For under water applications choose the submersible version. For above water choose the extended version where you can measure remote temperature; 1 or 2m cable (upto 30m on request); plus the ambient temperature. The temperature readings are stored in the internal non-volatile memory along with a timestamp. 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

- Dual temperature sensors. Internal Ambient and External.
- Accurate and Calibrated (traceable to NIST standards)
- Submersible logger up to 30m in salt water applications
- Extended, replaceable sensor cable with excellent environmental resistance
- Wireless Communications (Logger must be above water)
- Long Battery Life
- Variable logging Interval
- Continuous ring buffer storage

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

Temperature Accuracy	±0.10°C (-10 to +55°C), ±0.15°C (-20 to -10°C)
- Calibration Range	5.0°C to 40.0°C (Optional Cal certificate)
Temperature Resolution	0.01°C
Settling Time (to 90% in water)	Ext Sensor < 2min, Int Sensor < 8min
Battery Life – (Extended & Standard Battery)	2 years Based on 10min recording interval
– (Industrial Battery)	5+ Years (Dependent on average temperature)
Memory Capacity	60,000 readings For both temperature sensors
Operating Temperature – (Standard Battery)	-20 to 55°C (Standard battery with reduced life below 0°C)
– (Extended Battery / Industrial Battery)	-20 to 60°C / -30 to 85°C
Water Proof - Submersible version	IP68 Submersible to 30m (50m Option)
- Extended version with cable fitted	IP68 Cable, IP67 Logger Submersible to 1m for 30minutes
Dimensions - Logger	46mm Diameter, 160mm Length
Wireless Communications	Bluetooth® LE
Supported Phone/Tablet	Android™ V8.0 or greater. Apple IOS® 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