Odyssey Conductivity & Temperature Logger (15mS/cm).

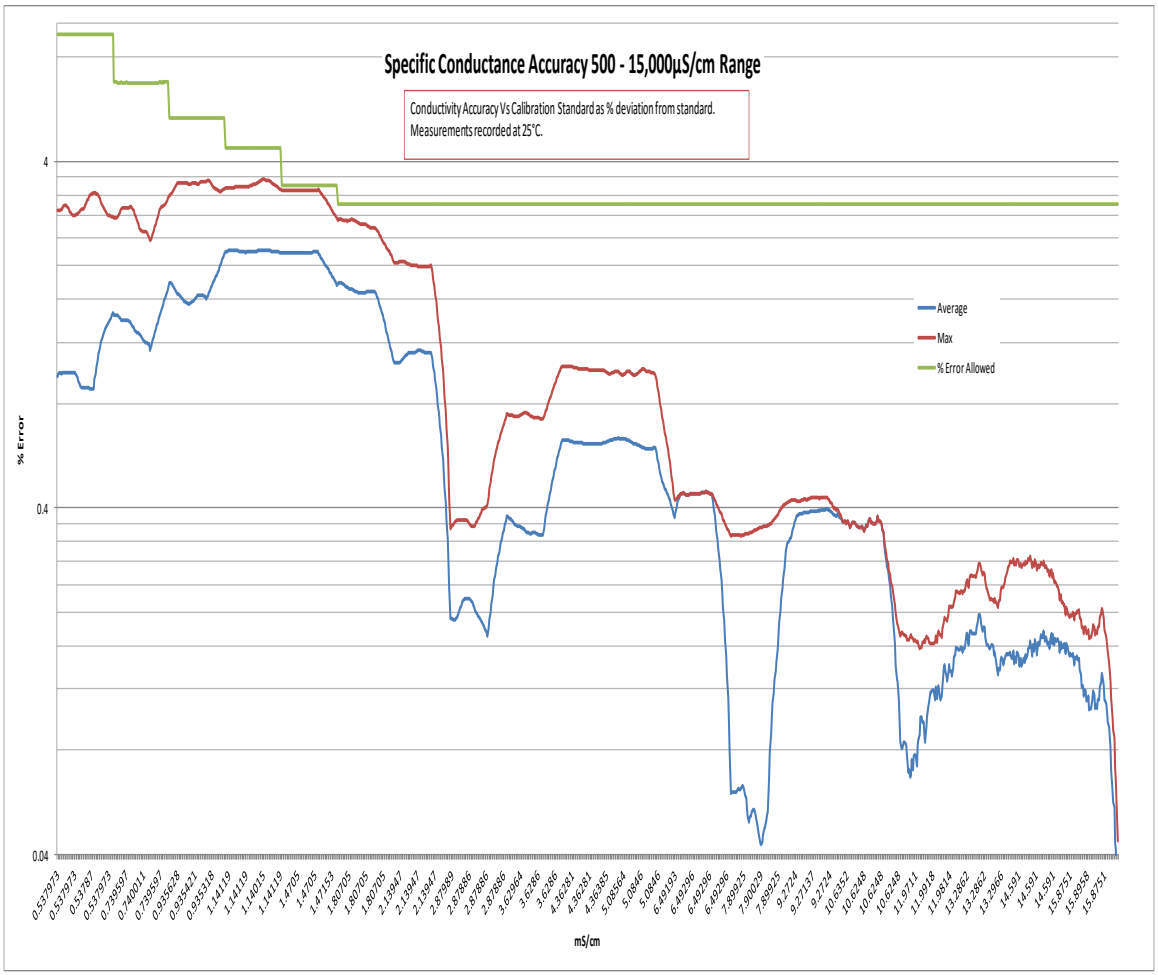
The Odyssey Conductivity and Temperature recorder encapsulates both the logger and sensors in one water proof housing. The conductivity of the water is measured by induction that alters the signal coupling between two sensor elements. At the same time temperature measurements are taken in order to calculate and output the conductivity measurements temperature corrected to 25°C.

- Non-contact sensor for extended life.
- Rugged ABS housing will not corrode.
- Easy access for data retrieval and battery replacement.
- Used in conjunction with the Odyssey data logging software.
- Measures both conductivity and temperature for use underwater.
- No field calibration required.
- Traceable to NIST standard reference.

Specifications:

	Min	**Max**		**Unit**
Conductivity				
Calibrated Range	500	15,000		µS /cm *
Accuracy	-	-	3% of reading or 50µS whichever is greater.	
Resolution	-	3		µS
Ref Temperature	-	-	25	°C †
PSU/PPT	0.064	9.6		PSU/PPT ‡
Temperature				
Operating Range	-2°C	50°C		°C §
Resolution	-	0.01		°C
Memory				
Readings	-	16382		
Logging Period	≥ 10 sec	≤ 12 Hrs	1 sec Increments	
Logging Duration	2	8192		Days **

Electrical				
Typical Battery Life	20d @ 10s Scan	450d @ 12Hr Scan		Days ††
Battery Type			2 x 3.6V Li-$SOCl_2$ 1.2mAH Size ½ AA	
Physical				
Housing Material	-	-	ABS	
Length	-	195		mm
Diameter	35.7	40		mm
Weight	-	250		g
Deployment Depth	0.3	20		Metres



* Default conductivity units = mS/cm. µS/cm available, user selectable.
† Default temperature units. Fahrenheit & Kelvin, user selectable.
‡ Referenced to minimum and maximum calibrated conductivity range. Values are approximate.
§ Minimum non-freezing temperature.
** Battery can expire before memory becomes full when long logging periods are used.
†† Battery life is subject to deployment conditions. Quoted figures are guides only.