

# GROWPROBE

TEMPERATURE | TURBIDITY | CURRENT FLOW

## SENSOR SPECIFICATION

Temperature sensor	+0 C to +50 C Operating, 0.1 C resolution
Turbidity sensor	Light Sensor Measurement Range: 0-65550 Converted accuracy: 0-50NTU ( $\pm 5$ ), 50+NTU ( $\pm 10$ )
Current speed	Accelerometer Measurement Range: $\pm 2$ g Accuracy: $\pm 0.005$ g from -20°C to 70°C Calibration allows conversion of acceleration data into current speed.
Waterproof Housing	IP68 (rated to 60m below sea level).
Output file type	.CSV, comma separated.
Output file format	Two files will be output: 1) Raw data 2) Averaged data
Scheduling	The device can be programmed to sleep for a set time and also programmed to stay awake for a set period of time. E.g. Wake up every 30 minutes and record data for 30 seconds.
Memory	Micro SD Card 16GB.
Battery	12.8AH Lithium-Ion Battery (will last approximately 60 days taking measurements every 30 minutes).
Charging Battery	Rechargeable with Micro USB Cable.
Dimensions	55Øx860mm.

