





## LOBO PLATFORM SPECIFICATIONS

Specifications	Bay LOBO	River LOBO	Dock LOBO	Bentic LOBO
				
<b>Weight (air) (kg)</b>	84	68	45	91
<b>Reserve Buoyancy (kg)</b>	168	59	-25	-70
<b>Height (m)</b>	3.3	1.7	0.3	0.9
<b>Length (m)</b>	0.9 (diameter)	1.4	1.2	1.2
<b>Width (m)</b>	0.9 (diameter)	0.5	0.5	0.5
<b>Draft (typical) (m)</b>	1.4	0.3	0.5	0.9
<b>Mast Height (m)</b>	1.9	1.4	N/A	N/A
<b>Deployment Depth (typical) (m)</b>	5-40	1-20	1-50	1-200
<b>Wave Conditions (typical max) (m)</b>	2	1	N/A	N/A
<b>Current Conditions (typical max) (m/s)</b>	1	1.5	N/A	N/A
<b>Duration (typical) 51Ah battery, hourly sampling</b>	5-6 weeks	5-6 weeks	5-6 weeks	Shore Power
<b>Anchor Weight (typical) (kg)</b>	270	180	N/A	N/A
<b>Typical Deployment Environment</b>	Protected coastal waters	Rivers and estuaries	Docks and pilings	On bottom with 500m of shore
<b>Anti-Biofouling Systems</b>	Bleach injection EPA Approved TBT Cartridge (optional) Copper cladding Antifouling Paint (optional) Bio-wipers			

## LOBO Standard Instrument Specifications

Instrument	Manufacturer	Parameter	Range	Accuracy	Resolution
<b>SUNA V2</b>	<b>Sea-Bird Scientific</b>	<b>Nitrate</b>	0-4000 $\mu$ M (0-56 mg/L NO <sub>3</sub> -N)	2 $\mu$ M (0.03 mg/l) or 10% of reading	0.05 $\mu$ M (0.7 $\mu$ g/l)
<b>WQM</b>	<b>Sea-Bird Scientific</b>	<b>Chlorophyll Fluorescence</b>	0.02-50 $\mu$ g/l	0.02 $\mu$ g/l	0.04% FS
		<b>Turbidity</b>	0-25 NTU	0.1 NTU	0.04% FS
		<b>Conductivity</b>	0-9 S/m	0.003 S/m	0.001 S/m
		<b>Temperature</b>	-5 - 35 °C	0.002 °C	0.001 °C
		<b>Dissolved Oxygen</b>	0-200%	0.2 mg/l	0.02 mg/l
		<b>Pressure (optional)</b>	0-20 m	0.1% FS	0.04% FS
<b>ECO CDOM</b>	<b>Sea-Bird Scientific</b>	<b>CDOM Fluorescence</b>	0-120 QSU	0.05 QSU	0.05 QSU
<b>Aquadopp</b>	<b>Nortek</b>	<b>Velocity profile</b>	0-10 m/s	0.5 cm/s or 1% of reading	0.1 cm/s
<b>HydroCycle-PO4</b>	<b>Sea-Bird Scientific</b>	<b>Phosphate</b>	0 – 0.3 mg/L PO <sub>4</sub> -P	0.0015 mg/L PO <sub>4</sub> -P	Sensitivity is dependent on PO <sub>4</sub> concentration

\* Other instruments and sensors ranges are available upon request