

Surface Node Instrument/Device List

Derived from John Ryan's Instrument List & MOOS System Requirements

Ver.: 1.1

Item	Instrument Description	Manufacturer	Model	Location	Depth
1	Power Can	MBARI	n/a	Tower	n/a
2	Radio, Long-Range	Qualcomm	GSP-1620	Tower	n/a
3	Radio, Short-Range	ConnectBlue	RSPA32s	Tower	n/a
4	Console, Hard-wire			Tower	n/a
5	System Reset	MBARI	n/a	Tower	n/a
6	ASIMET - Wind Speed / Direction	Star Engineering	Wind	Tower	n/a
7	ASIMET - Barometric Pressure	Star Engineering	Barometric Pressure	Tower	n/a
8	ASIMET - RH & Temp	Star Engineering	Relative Humidity & Air Temperature	Tower	n/a
9	ASIMET - Rain Gauge	Star Engineering	Precipitation	Tower	n/a
10	ASIMET - Shortwave PRR	Star Engineering	Shortwave Radiation	Tower	n/a
11	ASIMET - Longwave PRR	Star Engineering		Tower	n/a
12	GPS - Locator	Garmin	GPS25-HVS	Tower	n/a
13	Backup Locator	Technocean	MB-100	Tower	n/a
14	Delta pCO ₂	MBARI	n/a	Tower	n/a
15	HR-2 Hydorad (air)	HOBI Labs	HR-2	Tower	n/a
16	Compass	KVH	C100 w/SE-10	Tower	n/a
17	Heave Sensor	Triaxys		Tower	n/a
18	Serial A/D - Strain Gauge	MBARI?		Tower	n/a
19	SBE-44 SIM	Sea-Bird Electronics	SBE 44 SIM	Tower	n/a
20	Acoustic Modem	--	--	Tower	n/a
21	SBE-37-SM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-SM	Elevator Cage	1.3m
22	ISUS (Nitrate)	MBARI	n/a	Elevator Cage	1.3m
	pCO ₂ (w/ISUS)	MBARI	n/a w/pump	Elevator Cage	1.3m
23	HS-2 (Hydroscat)	HOBI Labs	HS-2	Elevator Cage	1.3m
	Anti-biofouling shutter	HOBI Labs	shutter option	Elevator Cage	1.3m
24	ADCP	RDI	Workhorse Long Ranger ADCP	Elevator Cage	1.3m
25	OSMO	MBARI	n/a	Elevator Cage	1.3m
26	HR-2 Hydorad (water)	HOBI Labs	HR-2	Snubber Cage	11m
	probe head (up) with shutter	HOBI Labs		Snubber Cage	11m
	probe head (down) with shutter	HOBI Labs		Snubber Cage	11m
27	SBE-37-SM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-SM	Snubber Cage	11m
28	ESP	MBARI	n/a	Snubber Cage	11m
29	Bathypotometer (Bioluminescence)	UCSB	HIDEX or REMUS HIDEX	Snubber Cage	11m
30	Phytoplankton	MBARI	n/a	Snubber Cage	11m
31	HS-2 (Hydroscat)	HOBI Labs	HS-2	Snubber Cage	11m
	Anti-biofouling shutter	HOBI Labs	shutter option	Snubber Cage	11m
32	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	25m
33	HR-2 Hydorad (water)	HOBI Labs	HR-2	Riser Cable	25m
	probe head (up) with shutter	HOBI Labs		Riser Cable	25m
	probe head (down) with shutter	HOBI Labs		Riser Cable	25m
34	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	40m
	SBE-44 Universal Inductive Modem (UIM)	Sea-Bird Electronics	SBE 44 UIM	Riser Cable	50m
35	HS-2 (Hydroscat) or Ecopuck	HOBI Labs	HS-2	Riser Cable	50m
	Anti-biofouling shutter	HOBI Labs	shutter option	Riser Cable	50m
36	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	60m
37	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	80m
38	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	100m
	SBE-44 Universal Inductive Modem (UIM)	Sea-Bird Electronics	SBE 44 UIM	Riser Cable	100m
39	HS-2 (Hydroscat) or Ecopuck	HOBI Labs	HS-2	Riser Cable	100m
	Anti-biofouling shutter	HOBI Labs	shutter option	Riser Cable	100m
40	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	150m
	SBE-44 Universal Inductive Modem (UIM)	Sea-Bird Electronics	SBE 44 UIM	Riser Cable	150m
41	HS-2 (Hydroscat) or Ecopuck	HOBI Labs	HS-2	Riser Cable	150m
	Anti-biofouling shutter	HOBI Labs	shutter option	Riser Cable	150m
42	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	200m
	SBE-44 Universal Inductive Modem (UIM)	Sea-Bird Electronics	SBE 44 UIM	Riser Cable	200m
43	HS-2 (Hydroscat) or Ecopuck	HOBI Labs	HS-2	Riser Cable	200m
	Anti-biofouling shutter	HOBI Labs	shutter option	Riser Cable	200m
44	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	250m
45	SBE-37-IM Microcat - CTD (Conductivity/Temp)	Sea-Bird Electronics	SBE 37-IM	Riser Cable	300m
	SBE-44 Universal Inductive Modem (UIM)	Sea-Bird Electronics	SBE 44 UIM	Riser Cable	300m
46	HS-2 (Hydroscat) or Ecopuck	HOBI Labs	HS-2	Riser Cable	300m
	Anti-biofouling shutter	HOBI Labs	shutter option	Riser Cable	300m