

Surface Node Instrument/Device List

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

Ver.: 1.0

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