

BAYONET 250

DATA SHEET



BAYONET
OCEAN VEHICLES



BAYONET 250

Medium payload autonomous crawling robot for a range of environmental, commercial and military tasks in nearshore, estuarine and inland locations

BAYONET OCEAN VEHICLES

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BAYONET 250
TECHNICAL DATA

STANDARD DIMENSIONS	48 x 52 x 14 inches
HEAVY DUTY DIMENSIONS	60 x 60 x 16 inches
STANDARD OPEN DECK SPACE	33 x 14 inches
HEAVY DUTY DECK SPACE	42 x 16 inches
GROUND CLEARANCE	7.5 inches
WEIGHT (WITH BATTERIES)	250 lbs
DURATION DRY / WET	24 / 10 miles
DECK CAPACITY	250 lbs (113kg) - max component 75 lbs (34kg)
GROUND PRESSURE	
- 10' TRACK - DRY / WET	0.39 / 0.20 psi
- 15' TRACK - DRY / WET	0.26 / 0.13 psi
BATTERY	Li-ion 54V, 48.1V nominal, 80Ahr with 2 packs on inside of track
RECHARGE	4 hrs per battery at max rate
POWER AVAILABLE	5V (500mA), 12V (3A), 24V (3A), 48V
I/O	RS232 (2), RS485(1), non-isolated analog input (2), non-isolated analog output (2), isolated digital input (2), isolated digital output (2), Ethernet (4)
CONNECTORS	SUBCON or Heyco
NAVIGATION	Greensea GS4 INS
POSITIONING	GNSS Receiver (Dual RX and RTK Options)
SUBMERGED POSITIONING	0.5%dt CEP50 (dvl aiding)
HEADING	<2.0deg typ (<0.25deg typ w/ transit alignment)
DEPTH	Depth: 0.1m RMS
COMMAND AND CONTROL SOFTWARE	OPENSEA, Greensea Workspace user interface, Greensea EOD and Pro Workspace (options)
INTERNAL SENSORS	Temp, Overvoltage, Wet/Dry, Battery Monitoring
SINK GAUGE	+/- 0.05 inches with 3.75 inch range (opt)
EXTERNAL COMMS	Ethernet tether, 2.4 GHz XBee RF
ADDITIONAL COMMS	RTK, MIMO RF link buoy (option)

BAYONET 250
TECHNICAL DRAWING

Specifications subject to change without notice.

