

REMUS 100



Depth Rating	100m (328 ft.)
Diameter	19cm (7.5 in.)
Length	1.85m (73 in.)
Weight	38.6kg (85 lb.)
Speed	0-4.5 knots (0-2.3 m/s)
Estimated Endurance*	10 hours
Energy Storage	1.5 kWh rechargeable lithium-ion battery
Recharge Time in Vehicle	6 hours
Maximum Range*	67km (36nm)
Propulsion and Control	Direct drive DC brushless motor, open 3-blade propeller; Cruciform fin control (yaw and pitch)
Communications	WHOI micromodem 2.0 high frequency (20-30 kHz) acoustic communications; 2.4 GHz WiFi; Iridium (optional)
Antenna	GPS, WiFi, Iridium, LED status lights, visible and infrared (IR) recovery locating strobe
Navigation	iXblue Phins C3 Inertial Navigation System (INS); Garmin commercial GPS; Long Baseline (LBL); DVL-aided dead reckoning
Doppler Velocity Log (DVL)	Teledyne 300 kHz phased array DVL with 200m bottom lock
Side Scan Sonar	Marine Sonics (MSTL) MK II Arc Scout 900/1800 kHz dual frequency; Resolution up to 5cm; Swath up to 160m
Other Sensors	YSI conductivity and temperature (CT) sensor; TE Connectivity depth sensor

REMUS 300

Depth Rating	305m (1000 ft.)
Speed	0-5 knots (0-2.6 m/s)
Propulsion and Control	Direct drive DC brushless motor, open 3-blade propeller; Cruciform fin control (yaw and pitch)
Communications	WHOI micromodem 2.0 high frequency (20-30 kHz) acoustic communications; 2.4 GHz WiFi; Iridium (optional)
Antenna	GPS, WiFi, Iridium, LED status lights, visible and infrared (IR) recovery locating strobe
Navigation	iXblue Phins C3 Inertial



VEHICLE SPECIFICATIONS: RECHARGEABLE BATTERY OPTIONS

Lithium-ion Battery Options	1.5 kWh Battery	3.0 kWh Battery (Standard)	4.5 kWh Battery
Diameter	19cm (7.5 in.)	19cm (7.5 in.)	20.7cm (8.13 in.)
Length	2.03m (80 in.)	2.39m (94 in.)	2.64m (104 in.)
Weight	48.5kg (107 lb.)	58.5kg (129 lb.)	70.3kg (155 lb.)
Estimated Endurance*	10 hours	20 hours	30 hours
Maximum Range*	55km (29nm)	110km (59nm)	165km (89nm)
Recharge Time in Vehicle	6 hours	12 hours	18 hours



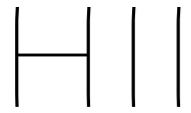
REMUS 620



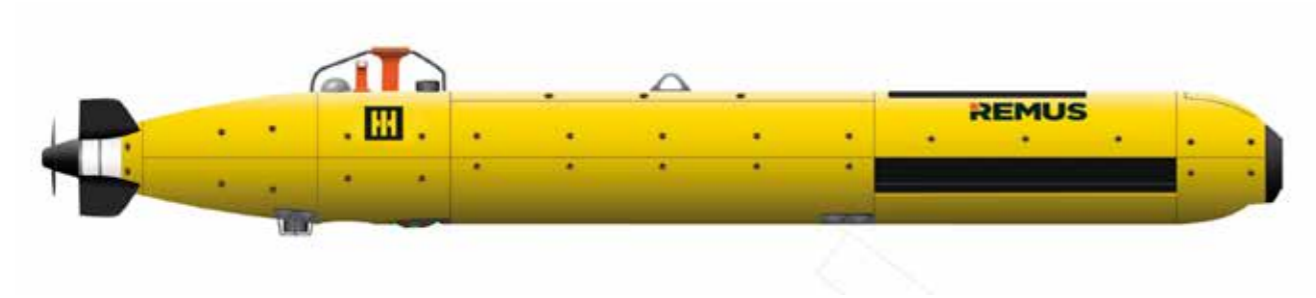
Depth Rating	600m (1969ft)
Hull Diameter	32.4cm (1.75in)
Propulsion and Control	Direct drive DC brushless motor, open 3-blade propeller; Cruciform fin control (yaw and pitch)
Communications	WHOI micromodem 2.0 high frequency (20-30 kHz) acoustic communications; 2.4 GHz WiFi; Iridium (optional)
Antenna	GPS, WiFi, Iridium, LED status lights, visible and infrared (IR) recovery

VEHICLE SPECIFICATIONS: THREE RECHARGEABLE BATTERY OPTIONS

Lithium Battery Options	(1X Battery) 9.6 kWh	(2X Battery) 19.3 kWh	(3X Battery) 28.9 kWh
Recharge Time In Vehicle	12 hours	12 hours	12 hours
Recharge Time Off Vehicle	8 hours	10 hours	12 hours
No Payload			
Length & Weight*	3.1m / 210kg	3.9m / 279kg	4.8m / 347kg
Endurance & Max Range**	42 hours / 204 km	80 hours / 370 km	110 hours / 509 km
Kraken Aquapix MINSAS 60 (Dry Payload)			
Length & Weight*	4.0 / 275kg	4.8m / 334kg	5.6m / 411kg
Endurance & Max Range	30 hours / 145km	55 hours / 270km	78 hours / 380km
Kraken Aquapix MINSAS 120 (Wet Payload)			
Length & Weight	4.4m/290kg	5.2m / 357kg	N/A
Endurance & Max Range	26 hours / 130km	50 hours / 245km	N/A



REMUS 6000



Depth Rating	6,000m (3.73 miles)
Diameter	80cm (31.5 in.)
Length Approximately	5.2m (17 ft.)
Weight Approximately	1,630kg (3,600 lb.)
Speed	0-4.2 knots (0-2.16 m/s)
Estimated Endurance	Up to 25 hours at 3.0 knots (1.5 m/s)
Energy Storage	Three 5.85 kWh swappable lithium-ion battery bottles for 17.55 kWh of energy
Recharge Time	24 hours
Propulsion and Control	Direct drive DC brushless motor, open 2-blade propeller; four fins for control (yaw, pitch and roll)
Communications	WHOI micromodem acoustic WiFi; Iridium Antenna GPS, WiFi, Iridium
GPS;	Long Baseline (LBL); doppler-assisted dead reckoning;
Inertial Navigation System (INS);	terrain following
Sonar	Sonar Synthetic Aperture Sonar (SAS)
Other Standard Sensors	Doppler Velocity Log (DVL); CT sensor; pressure sensor; Sound velocity probe; Ultra-short baseline (USBL) options
Camera array	Stereo camera with LED light
Hard Drive	Two 8 TB swappable data bottles; additional data bottles optional