

SEA MACHINES 200

Industrial-grade remote control

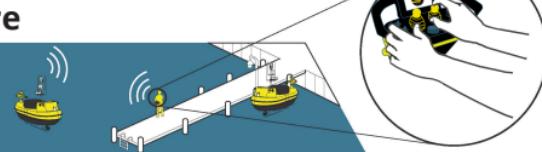


FOR COMMERCIAL WORKBOATS

- Vessel control via dynamic joystick
- Range 1 km
- Flexible controls preferences and equipment monitoring
- Interfaces with auxiliary controls (lights, pumps, winches, etc.)
- Increases capability and safety of operations

VESSEL CONTROL FROM BEYOND THE WHEELHOUSE

Command from shore



Or from a nearby vessel



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ONBOARD CABINET

Industrial-Grade Control Hub with Flexible Sensor Integration

Primary Hardware	Description
Cabinet Enclosure	IP66 Rated, 316 Stainless Steel
Dimensions	16 x 16 x 6.8 in. (40.64 x 40.64 x 17.272 cm.)
Weight	38 lbs. (17.24 kg)
Components	100% Solid State, Ruggedized
Certifications	By Most Recognized Authorities (ABS, DNV, BV)
Temperature Rating	0–60° C
Machinery Integration	Compatibility
Engine controls	Electronic or Mechanical
Steering	Electronic or Hydraulic
Transmission	Clutch & Gear Control
Auxiliaries	Per Operator Requirements
Payload Control	Applications
Fire pumps	Fireboats
Sonar	Survey
Winches / Loading	Tugs / Aquaculture
Crane/Davit	Equipment Deployment
ROV	Research, Mining, Recovery
Moonpool	Equipment Deployment
Power Requirements	
Nominal Input Voltage	12V
Max Current	12A
Power Auxillary Output	12V, 2A and 24V, 2A
Equipment Integration	Input/Output
Digital Input / Output	14 / 47
Analog Input / Output	14 / 4
Data Ports	
1 x Ethernet Port	1 x Serial Port
NMEA 2000	Profibus/Profinet



REMOTE USER INTERFACE

Industrial Joystick for Remote Control Navigation

User Interfaces	Component Type
2x Joysticks (Positive Hold)	Combined Gear & Throttle
1 x Steering Knob	Rudder Control
11 x Assignable Toggle Switches	Thrusters, Auxiliaries, Lights, Payload
1 x Emergency Stop Button	All Stop / Stops Engines
Color LCD Screen	Display Vessel Parameters
Vessel Parameters	Active Commands & Conditions
Single or Multiple Engines	Running / Stopped
Propulsion Gear	Fwd / Neutral / Astern
Propeller Speed	RPM
Batteries	Supply Voltage
Engine & Gear	Temp. / Oil Pressure
Fuel	Tank Levels
Rudder Indicator	Degrees Port/Starboard
Vessel Attitude	Pitch / Roll / Heave
Navigation Parameters	
Heading	Speed Over Ground
Position	Course Over Ground
Interruptions	Safety Devices
Loss of Communications	All Stop, Hold Station, Other
Manual Emergency Stop	ALL STOP on All Interfaces
Remote Controller Specs	
Frequency	915 Mhz
Range	1 km (Approx.) Line of Sight
Avg. Battery Life	8 Hours



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