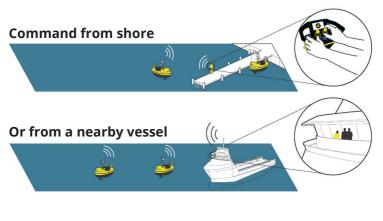
SEA MACHINES 200 Industrial-grade remote control



FOR COMMERCIAL WORKBOATS

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

VESSEL CONTROL FROM BEYOND THE WHEELHOUSE



SEA MACHINES



SEA MACHINES 200



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 Communi- cations	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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