

PHANTOM® S SERIES

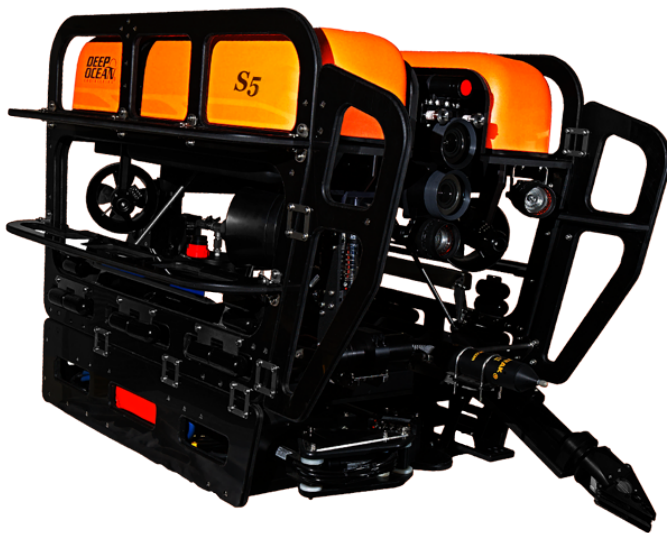
POWERFUL • EXPANDABLE • RUGGED

The Phantom® S5 is a portable high performance ROV that combines superior power, telemetry, and payload with ease of use, ruggedness and reliability. This provides a powerful overall performance envelope and versatility compared to other vehicles of its class.

It has five high performance Tecnadyne® thrusters, four vectored and one vertical, that provide significant control and propulsion in current to maneuver efficiently in all directions.

This heavy observation class vehicle has a powerful thrust providing aggressive lift capabilities and helping it reach depths up to 1,000 meters

The Phantom® S5 includes a one-year manufacturer's warranty.



APPLICATIONS OF THE PHANTOM® S5 ROV

The Phantom® S5 is an observation class underwater remotely operated vehicle, designed for use in numerous applications across a spectrum of industries, including dam and hydroelectric plant inspections, search and recovery, offshore oil and gas, scientific research, underwater filming, and military and law enforcement. (for details, please visit our website at www.deepocean.com).

THE DEEP OCEAN ENGINEERING ADVANTAGE

Deep Ocean Engineering, Inc. is a USA based manufacturer of powerful, expandable, rugged underwater and surface drone vehicles, headquartered in the technology capital of the world, Silicon Valley, California. Its legendary Phantom® lines of ROVs and USVs, many of which have been in use around the world for decades, are integrated with the latest digital technology and the highest quality components available in the market today, including thrusters, cables, sonar, cameras, lighting, navigation software and power.

PHANTOM® S5	
Length	1270mm (50.0in)
Width	800mm (31.5in)
Height	763mm (30.0in)
Depth Rating	1000m
Chassis	Black Polypropylene Frame, non-conductive / non-corroding
Options	Hydraulic / electric manipulator packages Vehicle skid for additional tooling

THRUSTERS/PERFORMANCE	
Configuration	4 Vectored Horizontal, 1 Vertical (optional 2) ; 2.5hp each
Thrust	Forward: 175kgf Reverse: 100kgf Vertical: 35kgf
Thrusters	Magnetically coupled brushless
Control	Graphical User Interface (GUI) dual joysticks
On Screen Display	Color text and graphics overlay; 17" and 19" LCD Monitors

CAMERA	
Pan/Tilt	Tilt assembly with LED Lighting and Camera
Resolution	1280x960 (HD camera option available)
Zoom	20x
SNR	50db
Illumination	0.05

UMBILICAL	
Length	1000m standard
Material	Fiber (dependent upon application)
Single mode, high bandwidth fiber optics standard, neutral in freshwater	

POWER	
Input Voltage	220 VAC 3-phase
Output Voltage	1000 VAC
Max Power Output	15 KVA

NAVIGATION	
Precision tilt compensated three axis digital magnetometer 0.05 degrees RMS repeatability, 20Hz update rate	
Yaw rate gyro for rock solid auto heading and vehicle stabilization pilot assist	

LIGHTING	
Lights	2 LED
Lumens	3700+ lm each (depending on configuration)
Depth Rating	6000m

*Values based on full power data
20170330 - Specifications subject to change