

## PHANTOM S2 ROV



**APPLICATION:** The remotely operated vehicle (ROV) is a tethered underwater vehicle controlled by an operator topside and used for remote video documentation, search, and sample/data collection. ROVs are commonly used for missions where depths or dive durations are inaccessible by scuba, or an expensive, highly technical submersible is not required. ROVs can work independently or as a support tool for wet-diving or submersible operations.

**DESCRIPTION:** The Spectrum Series Phantom S2 ROV is a versatile, highly portable tool that can be used to support undersea research operations from a variety of platforms. The S2 has a payload capability of 40 pounds in water weight (additional floatation can be installed) and spare wires for powering external instrument packages. The S2 has a color video camera, SIT low light video camera, lights, and laser scaling device on a tilt platform. Also available are a vehicle tracking system, sector scanning sonar, three-function manipulator, and several data/sample collection tools. The system has 1,050 feet of cable allowing it to reach depths as great as 948 feet seawater. Several deployment techniques are used to provide effective task completion. Skilled technicians are provided. The system requires 4 KVA of 110 VAC power, a 30-amp/110 volt plug, and a minimal 30-amp breaker. Integration of your equipment or tool package on the S2 ROV requires advanced communication and planning.