



Pro-Dive Marine Services Seaeye Falcon ROV System Specifications



Seaeye Falcon



The Seaeye Falcon is a portable, powerful and versatile ROV intended for professional inspection, observation and survey operations in coastal or inshore waters. Falcon incorporates technology that has been proven in Seaeye ROVs used in the demanding environment of the international offshore oil and gas industry. Innovations include distributed intelligence control system and magnetically coupled brushless DC thrusters, which produce 50 kg of thrust providing an unbeaten 1:1 power to weight ratio.

Features:

- 300 meter depth rating
- Magnetically coupled brushless DC thrusters with velocity feedback
- 4 vectored and 1 vertical thruster
- 50 Kgf thrust
- Grip stick
- Light duty rotary cleaning brush
- Single phase A/C power input
- Low drag umbilical
- Color video camera on 180 degree tilt mechanism
- Color zoom video camera (10:1) on 45° tilt mechanism
- Auto Heading and Depth
- Compass and Rate Gyro
- Variable intensity lighting
- 1:1 Power to weight ratio
- Video overlay



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Launch and Recovery System With Tether Management System

Pro-Dive Marine Services' Launch and Recovery System (LARS) for the observation class ROV is equipped with a Tether Management System (TMS). The TMS LARS dramatically increases the operational capabilities of an ROV system by enhancing the ability to launch and recover the ROV in above normal sea states.

The TMS type of LARS also minimizes the potential for damage to the ROV during the critical air/water interface stage, reducing the potential for downtime on the job.

Pro-Dive's TMS LARS consists of a winch, an 'A' frame, and a garage or cage, which contains the ROV and the flying umbilical that extends from the submerged cage to the ROV. With the 'A' frame extended outboard, the winch is used to pay out the umbilical until the garage is at the required operating depth. The ROV pilot is then able to pay out, or recover flying tether from the garage, using a remote foot switch. This enables the ROV to fly safely, and with minimal current related forces on the flying tether, enables greater ROV maneuverability.

The TMS can safely launch and recover the ROV to 275 meters and allows up to a 100-meter radius of excursion from the garage via the flying tether. The TMS LARS' compact size and skid mounting make it ideal for smaller vessels, as well as supply vessels, where deck space is of the utmost importance.

