

SEAEYE TIGER



The Seaeye Tiger is widely regarded as the leading observation and inspection vehicle within the Oil and Gas industry.

With depth ratings of 1,000 meters, the Tiger is a very stable platform and is able to perform efficiently in strong current, under the harshest conditions, providing excellent handling and manoeuvrability. Its open frame construction and generous payload offers the possibility of adding a wide range of tools and sensors as well as interchangeable tool skids.

FEATURES

- Maximum operating depth: 1,000 metres
- Dual video channels
- 32Kg (70lbs) payload
- 4 Vectored and one vertical Seaeye SM 4M thrusters with velocity feedback
- Auto heading and depth
- Thruster trim functions
- Fully interfaced for sonar and CP probes
- 3 Phase power outlet option
- Single or 4 function manipulator option
- Choice of TMS systems
- Free swimming mode or TMS Type 2
- 300 watts of variable intensity lighting
- Integral video overlay

SPECIFICATIONS

VEHICLE DIMENSIONS

Dimension: 1030L x 700W x 590H (mm)

Weight: 150kg

PERFORMANCE

- Forward Thrust 62kgf
- Lateral Thrust 43kgf
- Vertical Thrust 22kgf

VEHICLE CONSTRUCTION

Frame Type: Maintenance free polypropylene chassis with stainless steel lift frame

Buoyancy: Syntactic PVC foam

Thrusters: 5x Seaeeye SM4 High efficiency, low maintenance, Brushless DC Motors Magnetically coupled, each giving thrust of 25kgf @ 2000rpm

STANDARD EQUIPMENT FIT

- 2 x CCD Colour Camera on Tilt Unit $\pm 90^\circ$
- 1 x High Resolution Scanning Sonar
- 2 x Variable Intensity Lights (300W in total)

OPTIONAL EQUIPMENT

- Single Function Manipulator/Rope Cutter
- C.P. Contact and Proximity
- Marine Growth Thickness Probe
- USBL Positioning Transponder
- Additional camera (switchable with main camera)
- Additional options are possible including hydraulic tools, with an electro-hydraulic under slung skid fitted

TETHER MANAGEMENT SYSTEM (TMS)

TMS Type 2 specification:

Construction: Galvanised steel

Baling System: Polypropylene construction with hard anodised aluminium central boss. Seaeeye SM4 motor drive with hard rubber universal coupling to bale arm gearbox

Electronics Pod: Hard anodised aluminium cylinder. Seaeeye metal shell connectors

Tether Capacity: 140m of 17mm tether

TMS TYPE 2 DIMENSIONS

Dimension: 1.2L x 1.2W x 1.64H (mm)

Weight: 460kg

POWER REQUIREMENTS

Input: 3-phase

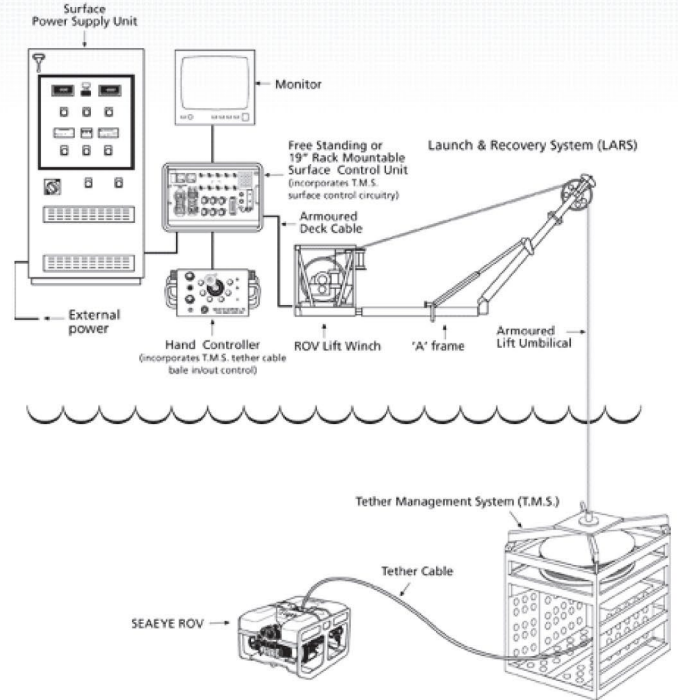
ROV: 8kVA

TMS: 1.5kVA

Tooling: 450VA

LARS: 25kVA

Cabin: 12kVA



CONTROL CONTAINER (OPTIONAL)

- Dimensions: 10L x 8W x 8.5H (feet)
- Weight : 5,000kg*
- Classification: Either Zone 2 or Safe Area rated.
- Standard 1xDVD & 1xVCR's & 1x14" Monitor
- Equipment 1 x Sonar Control PC
- Control System 19" Rack Mounted. Joystick Pilot
- Controls on Hand Controller with Flying lead.
- Pull-Out keyboard
- System Control Diagnostics
- Video Overlay
- Auxiliary Functions (including manipulator)



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