

SUBAQUATIC WORKS AND MARINE SERVICES DIVISION

EQUIPMENT SHEET

Remotely Operated Vehicle TIGER ROV

MAIN DATA

Maximum working depth	1000msw
Weight	150Kg
Payload	32Kg
Thrust forward	62Kgf
Thrust lateal	43Kgf
Thrust vertical	22Kgf
Speed Fore/Aft	3Knots
Speed Lateral	2Knots
Tether length	140m
Armoured lifting umbilical	700m



The Tiger ROV is operated from Tether Management System TMS type 2 with 140 m of tether (700 m of armoured lifting umbilical).

TMS enables the vehicle to reach its working depth much quicker and eliminates the considerable drag effect of the umbilical on the vehicle which provide more efficiency to the operation.

The TMS is raised or lowered using the LARS Winch assembly and armoured main lift cable.

The Tiger ROV is deployed from a single skid consisting of an integral winch, crane and power pack.

Classification: zone 2 rating

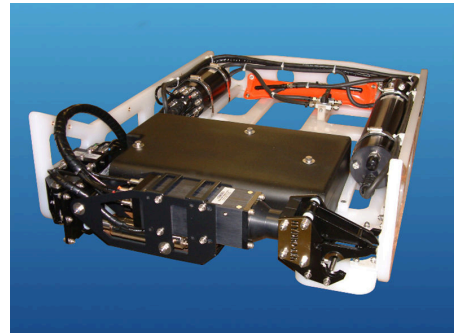


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SYSTEM FEATURES

- **Tritech SeaPrince Scanning SONAR:** A compact SONAR with operating frequency from 500KHz to 900KHz. it guarantees a 360 degree view & it provides a range from 1m to 100m. Depth rating is 4000 meters
- **SIT camera on tilt Unit:** SIT cameras has a wider angle of view and can operate in conditions where low light levels or poor visibility exist.
- **Seaeye Colour Cameras on tilt Unit.**
- **Electrical Tilt unit ± 90 degrees Max two cameras, position feedback displayed on video**
- **Digital Depth Gauge**
- **Fluxgate Compass**
- **Auto Pilot (Auto depth & auto heading)**
- **2 Lights**
- **Power requirements: 3 phase 380 to 480Vac / 50 KVA**
- **GAUNTLET Plus 4 functions hydraulic manipulator:**



HLK-MB4 Manipulator is an utility class arm, it incorporates the HLK-2020 continuous rotate jaw actuator which has a jaw opening of 154mm together with the unique open jaw soft rope cutter built in to the outside of the jaws

OPTIONS

- **Flooded Member Detection (FMD)**
- **CP Equipment (Direct Contact & Proximity)**
- **Wall thickness measurement (UT)**
- **Hydrographic Survey equipment**
- **Cleaning (powered wire brush)**
- **Digital Stills Camera**
- **Leak detection equipment**
- **Tracking systems**
- **Zoom camera**

