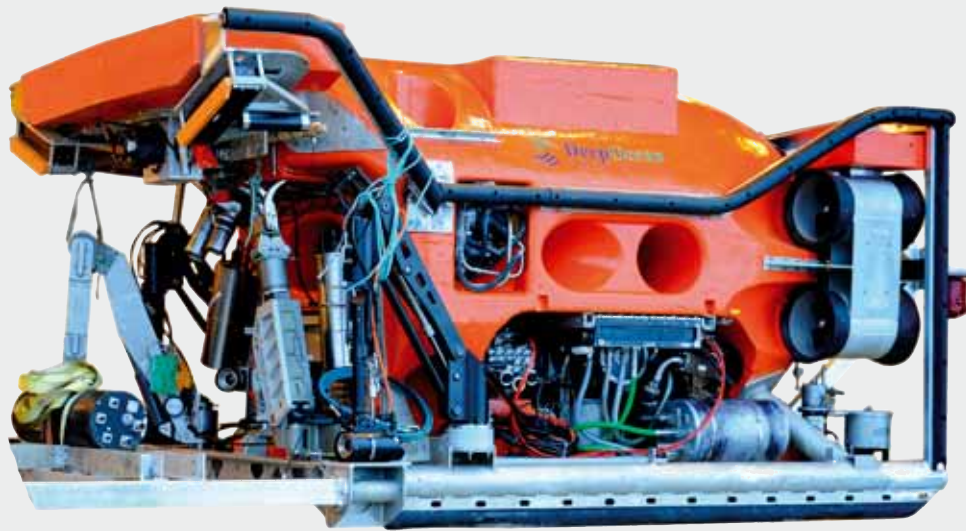


# HIROV 3000 MKII

SPECIFICATION SHEET



WORK CLASS AND SURVEY ROV - HIROV 3000 MKII

KEY FEATURES

THE HIROV CAN ACCOMMODATE

- PROPORTIONALLY CONTROLLED HYDRAULIC FUNCTIONS, 2 OFF 32 L/MIN, 1 OFF 150 L/MIN, 1 OFF HIGH PRESSURE 0-800 BAR
- UP TO 20 ADDITIONAL SURVEY SENSORS
- UP TO 8 CAMERAS
- GROUND FAULT MONITORING ON ALL CHANNELS IN THE ELECTRONIC SYSTEM
- A VARIETY OF AUTO-FUNCTIONS
- EXTREMELY STABLE DUE TO HYDRODYNAMIC SHAPE
- PURPOSE BUILT SURVEY ROV WITH WROV CAPABILITY

## GENERAL

<b>DEPTH RATING</b>	3000 msw
<b>POWER</b>	125 hp
<b>THRUSTERS - HORIZONTAL</b>	1 off lateral aft of centre + 2 off vectored 45deg forward of centre
<b>THRUSTERS - VERTICAL</b>	3 off (2 fwd and 1 aft)
<b>THRUSTERS - FORWARD / AFT</b>	4 off at aft end
<b>WEIGHT AND LOAD</b>	
<b>WEIGHT IN AIR</b>	3500kg (incl std. Equipment)
<b>PAYLOAD</b>	200kg in seawater (specific gravity = 1.025 and at 15deg C)
<b>THROUGH FRAME LIFT</b>	6000kg
<b>DIMENSIONS</b>	
<b>LENGTH</b>	3,30m bottom frame (3,45m including front bumper)
<b>WIDTH</b>	1,90m
<b>HEIGHT</b>	1,99m (including bumper)

## PERFORMANCE

<b>SPEED (AT 100MSW)</b>	
<b>FORWARD / AFT</b>	3.3knots
<b>LATERAL</b>	2knots
<b>VERTICAL</b>	2knots
<b>BOLLARD PULL (AT SURFACE)</b>	
<b>FORWARD / AFT</b>	600kg
<b>LATERAL</b>	250kg
<b>VERTICAL</b>	500kg
<b>TURNING RATE</b>	(+/-)440deg / sec.
<b>AUTO FUNCTIONS</b>	
<b>AUTO ALTITUDE</b>	(+/-) 100mm
<b>AUTO DEPTH</b>	(+/-) 75mm
<b>AUTO HEADING</b>	(+/-) 1deg
<b>TRIM FUNCTIONS</b>	
<b>PITCH</b>	(+/-) 20deg
<b>ROLL</b>	(+/-) 20DEG

## ERGONOMIC AND FUNCTIONAL PILOT INTERFACE

Joystick and computer controlled from 2 off pilot chairs

## CONTROL CONTAINER

6.1 x 2.44m, A60 safe area container, housing power distribution, control consoles and video suits

## WORKSHOP CONTAINER

6.1 x 2.44m, A60 safe area container, housing extensive spares, consumables, tools, manuals and test equipment

## INTERFACE EQUIPMENT

### SYSTEM FULLY INTERFACED FOR THE FOLLOWING EQUIPMENT :

Responder
SIT Camera
Side Scan Sonar
Sub-Bottom Profiler
Altimeter / Depth Sensor
CP
Dual Head Multibeam Echosounder
Doppler Velocity Log
6 x focus and zoom controlled cameras
10 x 250W lights
Hydraulic camera booms
Pipe Running Wheels / odometer
Dredging / jetting equipment
Hydraulic Tools

## STANDARD EQUIPMENT

(1) Low Light Camera	
(2) North Seeking Gyro (Octans)	
(1) Colour Zoom Camera	
(1) Color Mini Camera	
(1) Obstacle Avoidance Sonar	
(1) Emergency Beacon	
(1) Wire Cutter 38mm	
(1) Low Pressure water jet	
(6) 250W lights, variable intensity	
<b>MANIPULATORS</b>	
<b>LEFT HAND SIDE</b>	Interface for Schilling Rigmaster 5F
<b>RIGHT HAND SIDE</b>	Interface for Schilling T4 7F

## TELEMETRY AND SENSORS CAPACITY

<b>SERIAL CONNECTIONS</b>	32 off
<b>ETHERNET</b>	Optional
<b>VIDEO</b>	8 off + 2 off Optional
<b>GYRO</b>	1 off + 1 off Optional
<b>ALTIMETER</b>	1 off PA500
<b>DEPTH SENSOR</b>	1 off TD303A
<b>OTHER SENSORS</b>	Cp, Ctd
<b>SPARE OPTICAL FIBERS</b>	6MM 6 SM total
<b>LIGHTING CAPACITY</b>	10 off + 2 off Gas Lights

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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