

ROV INFORMATION

vLBV950 and LBV150-2

vLBV950

DEEP WATER HIGHLY CAPABLE MiniROV

The vLBV950 is a deep water solution with a high degree of capability. Rated to 950 meters (3,116ft) and still the same compact dimensions of the vLBV300. Vectored thruster configuration with dual vertical thrusters and an impressive power to weight ratio.

POWERFUL VARIABLE VECTOR THRUSTER CONFIGURATION

Vectored thruster configuration provides amazing control in all horizontal directions for use in more demanding conditions. The vLBV950 has impressive bollard thrust with 22.5 kg f forward. Dual vertical thrusters offer greater vertical control and roll stabilization.

vLBV	
Depth Rating	950 Metres seawater
Length	620 mm
Width	390 mm
Height	390 mm
Weight in Air	18.1 kg

Thrusters	
Thruster configuration	Six brushless DC thrusters - four vectored, two vertical
Bollard Thrust (forward)	18.1-22.5 kg f
Bollard Thrust (vertical)	9 kg f
Bollard Thrust (lateral)	7.3-15.2 kg f

Cameras & Lighting	
Camera Tilt	180 degrees
Diagonal Angle of View	65 degrees in water
Camera - Primary	650 line high resolution color - 0.1 Lux @ f2.0
Focus	Fixed 100 mm (4.0 in) - infinity
Lighting	4 x 1,080 Lumen LED arrays. Variable intensity via operator control unit. Tracking forward camera.

Tether	
Lengths	1000 metres
Working Strength	100 kg f
Breaking Strength	700 kg f
Strength Member	Kevlar
Buoyancy	Neutral in fresh water - slightly positive in seawater



LBV150 - 2

AN EXCEPTIONALLY WELL ROUNDED SYSTEM FOR LOW CURRENT APPLICATIONS

The LBV150-2 offers all the proven features of the LBV systems. Ideally suited to tank or calm water applications where a rapid setup is required. The integrated control console, tether and ROV take only minutes to have ready for operation.

POWERFUL AND MANOEUVERABLE THRUSTER CONFIGURATION

The LBV150-2 is a highly stable small ROV platform equipped with powerful Brushless DC thrusters. 4-axis control provides the operator with total manoeuvrability.

HIGH QUALITY VIDEO AND LIGHTING

The LBV150-2 systems are supplied with the latest Wide Dynamic Range (WDR) color camera technology. Coupled to the color camera is a high intensity LED array providing bright white light throughout the 270° range of view. External dimmable lights are also fitted.

LBV	
Depth Rating	150 Meters Seawater (MSW)
Length	530 mm
Width	245 mm
Height	254 mm
Weight in Air	11 kg

Thrusters	
Thruster configuration	Four brushless DC thrusters - Two forward, one vertical and one lateral.
Bollard Thrust (forward)	7 kg f
Bollard Thrust (vertical)	3 kg f
Bollard Thrust (lateral)	3 kg f
Speed at surface	3 knots
Max Operating Current	2 knots

Cameras & Lighting	
Camera Tilt	180 degrees - internal chassis rotates
Range of View	270 degrees - 180 degrees from tilt, 90 degrees from camera lens
Camera - Primary	520 line Wide Dynamic Range color - 0.1Lux
Focus	Manual focus control via hand controller. 90mm to infinity
Internal Lighting	700 Lumen LED array.

Tether	
Length	150 metres
Working Strength	100 kg f
Breaking Strength	700 kg f
Strength Member	Kevlar
Buoyancy	Neutral in fresh water - slightly positive in seawater

