



World Class Underwater Technology

Centaur Bathymetry Unit

Features:

- Robust design
- Digiquartz depth sensor
- Choice of altimeter frequencies
- User calibration procedure
- User configurable data settings
- RS232/485 and current loop
- CTD sensor compatible
- Cost effective replacement for the UK94 Bathy

Applications:

- Workclass ROV operations
- Dredging operations
- Tidal Monitoring
- Positioning of ROTVs
- Pipeline, site and route surveys

The Centaur Bathymetry System is the long awaited successor to the UK94 Bathymetric System which, when first produced in 1994, set the standard in accuracy.

In its primary application of subsea operations using a workclass ROV, the Centaur Bathymetric System is the essential tool to provide precise depth and height data of the host platform, from which other measurements are taken.

The subsea unit incorporates the most accurate pressure sensor available with in-built correction for water temperature.

Sonavision's Echo Altimeter is available in a choice of 200kHz for longer range and 500kHz for high resolution. The altimeter is aligned with the depth sensor within a vertical pod and calibrated prior to leaving the factory.

The surface software, available on CD for installation on a laptop or PC, incorporates further corrections for speed of sound in water, seawater density and atmospheric pressure and height above sea level.

The Centaur Bathymetric System is part of Sonavision's complete survey suite, which also includes the new SV4040 Scanning Sonar and Hermes Multiplexor. Together this provides the complete solution for all applications.



Technical Specifications

Mechanical

Length	130mm
Diameter	79mm
Weight	400g (in water) Acetal
Connector	LPBH6M as standard, other available options on request

Housing Materials

1000m	Stainless Steel
3000m	Titanium

Electrical

Supply Voltage	12-48VDC, nominal 200mA at 24V
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Analogue Output

0-5V, 0-10V (Software adjustable)

Data Communications

RS232/RS485

Operating Frequencies

Frequency	200kHz	500kHz
Range (min)	0.5m	0.3m
Range (max)	100m	50m
Beam	6 degreee	10 degree
Resolution	1cm	1cm