

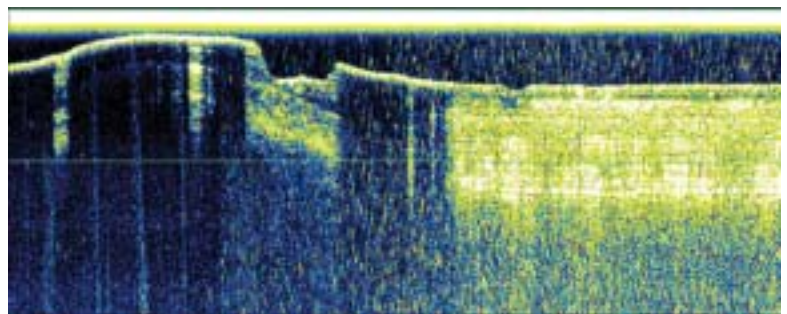
Sub-Bottom Profiler

If you need to obtain a clear picture of what lies below the seabed, look no further than the SeaKing Parametric SBP from Tritech. Sub-bottom profiling is now possible from this compact, low power unit, ideal for ROV and AUV use.

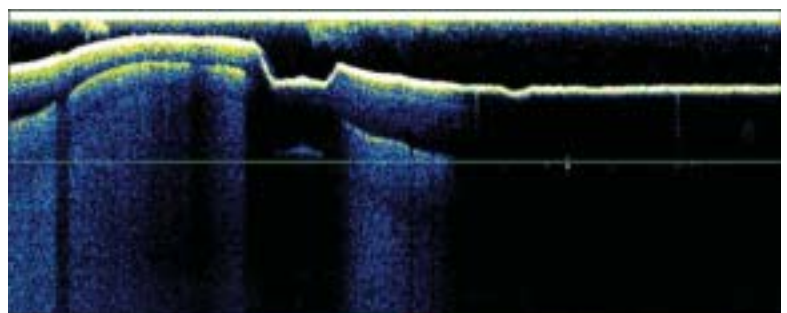
An innovative multi-element composite transducer array enables the echosounder to emit very low frequencies whilst minimising the size of the overall unit. Producing a 20kHz pulse, the system is capable of penetrating the seabed and highlighting structural differences that are hidden from view to conventional echosounders.

As with all SeaKing sensors, it is possible to integrate the parametric sub-bottom profiler in the ArcNet network, which enables the data to be displayed and logged on the SeaNet SCU.

The display allows the operator to view the raw 200kHz seabed profile, as well as the 20kHz sub-bottom layers produced by the parametric pulse.



20kHz sub-bottom profile record



200kHz seabed profile record

Features

- Dual frequency data
- Networkable
- Compact
- Energy efficient

Applications

- Site survey
- Route survey
- Pipeline crossing
- Wreck search
- Object detection



Tritech SeaKing Parametric SBP

Specification



All measurements in mm

Primary frequency	200 kHz
Primary beamwidth	4 degrees
Low frequency	20kHz
Low frequency beamwidth	4.5 degrees
Pulse length	100 μ seconds
Range resolution of HF	Dependent upon rangescale (10-100mm)
Range resolution of LF	Dependent upon rangescale (60 μ seconds@30m)
Communication protocol	ArcNet, RS232
Power requirements	24VDC@300mA (Nominal)
Materials	Aluminium alloy-HE30, RPU
Weight in air	6.3kg
Weight in water	2.7kg
Maximum operational depth	700m (4000m optional)

All specifications are subject to change in line with Tritech's policy of continual product development.

Ref: SBP Issue 5 May 2004



Tritech International Limited

Peregrine Road
Westhill Business Park
Aberdeen AB32 6JL
United Kingdom

Tel. : ++ 44 1224 744111

Fax : ++ 441224 741771

Email : sales@tritech.co.uk

<http://www.tritech.co.uk>



THE QUEEN'S AWARDS
FOR ENTERPRISE
2001



INVESTOR IN PEOPLE



SCOTTISH OFFSHORE
ACHIEVEMENT AWARDS
1999
1995
1994

Marketed by: