



Price Proposal

To:	MBARI	Ref #:	H0061-012983
Attn:	Hans Thomas	GSA #:	GS-07F-0501V
Pages:	2	Tax Payer ID:	95-3872997
Date:	July 13, 2010	Cage Code:	0SA01
DUNS:	151326154	CCR:	20527

Subject: RESON SeaBat 7125-A AUV Multibeam Echosounder System Quotation

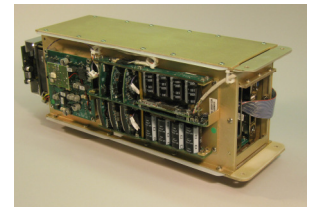
Dear Hans,

Thank you for your continued interest with RESON products – the world leader in shallow water multibeam systems. Below is a price proposal for SeaBat 7125-A multibeam echosounder sonar system for AUV applications. Please include the above reference number in your further communications.

1. System, SeaBat 7125-A

Part #: 88010839

Description: The SeaBat 7125 is a single or dual frequency (200/400 kHz) multibeam sonar system (with additional options for 31 degree by 140 degree forward looking sonar system) that measures relative water depths over a wide swath perpendicular to the vehicle's track. The SeaBat 7125 ensonifies a 128° (optional 140°) sector below the Sonar Head Assembly and is suitable for mounting on a surface vessel or optionally an ROV or AUV. The SeaBat 7125-A will include a 6000m pressure depth rated Titanium LCU bottle, 400kHz projector with and dual frequency receiver.



Features:

- Dynamically focused 0.5° x 1° 256/512 equi-angle and equi-distant beams
- 400kHz with option for 200kHz (via firmware update)
- 50Hz ping update rate
- Standard sidescan and snippets backscatter and imagery output
- Standard watercolumn/beam data output
- Unique combination of center-of-energy & phase-zero-crossing provides best possible bottom detection.
- 140° swath width available, 128° standard
- Enhanced quality flag output per beam – significant data processing reduction
- Beam uncertainty output for TPE generation (CUBE)
- 1PPS/UTC record time stamping (+/- 0.5ms)
- Standard onboard data recording - with up to 4TB RAID Real-Time data export for external data recording
- Full system control and internal data recording
- Standard AutoPilot for automated settings control
- Standard Adaptive Gating for enhanced efficiency and accurate bottom detection
- Software trigger-in
- Hardware sync pulse-out (with programmable pulse length and delay)
- Pressure rated option to 6000m (EM7200 receivers are standard 6km pressure rated)
- Highest performance / smallest wet-end form-factor





- 48VDC standard with 30VDC option (18-75VDC Option)
- Weight (air) – 13.35kg. Including ICPU: 23.35kg
- Optional ICPU Pressure Vessel
- Optional 21" AUV Ring Adaptor

Price Proposal Summary

Item	Description	Qty	Unit price	Discount*	Total Price
88010839	SYS, SEABAT 7125-AUV-A, 400kHz,	1	269,811.00	21,584.88	248,226.12
TL8106-1	8" Pressure Vessel 7k systems TIT	1	53,694.00	4,295.52	49,398.48
Total – If PO is received before November 30, 2010					297,624.60
Total – If PO is received before September 27, 2010					282,743.37

87500248	Service & Support Agreement	1			30,457.33
85000150	Installation, Integration, On-Site	1			4,868.00

** Academic Pursuit Discount*

Terms and Conditions:

1. INCO Terms: EXW
2. RESON Standard Terms & Conditions Apply
3. Payment: Net 30 days after which 2% per month interest late-fee
4. 3rd Party Warranty Valid 12 months following delivery.
5. Availability: 6 weeks ARO or sooner upon special request.

Thank you for your interest in RESON. I look forward to assisting you in the creation of a working solution for your hydrographic requirements. Please do not hesitate to contact me should you have questions or need any additional information.

Best Regards,

A handwritten signature in black ink, appearing to read "Michael Mutschler".

Michael Mutschler
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 Hydrographic Applications
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