

Programmable Sonar Altimeter

PSA-916

Low Cost Programmable Sonar Altimeter

Part Number: 007601

The PSA-916 is a low cost, lightweight altimeter designed for diverse applications in the marine environment. It provides the user with high resolution altitude/range data while simultaneously outputting data through a digital serial port. A wide beam angle provides for reliable and accurate range measurements under the most severe operational conditions.

Features:

- Compact size and weight allows for integration with the smallest ROVs or marine sensors
- Simultaneous analog and digital outputs provide altitude/range data
- Electronically isolated to eliminate any potential signal interference with host instrument sensors
- 6000 meter depth
- Low cost

Applications:

- ROV/instruments altitude measurement
- Bridge scour studies
- Obstacle avoidance
- Sediment transfer studies
- Docking assistance for ships



SPECIFICATIONS	
Operating frequency	200 kHz (nominal)
Beam width	14° conical typical
Pulse length	250 ms standard
Repetition rates	5 pps or external
Range	100 meters full scale
Resolution	RS-232: 1 cm Analog: 2.5 cm
Range output	Digital: RS-232 Analog: 0-5 VDC
Operating depth	6000 meters
Power required	7 to 24 VDC
Power consumption	60 ma @ 15 VDC
Size	2.25 in. diameter X 9.75 in. long
Weight	1.4 lbs in air; 0.8 lbs in water

REV 1312

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