



SWALE OCEANOGRAPHIC

Teledyne Benthos

Programmable Sonar Altimeter PSA-916

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.

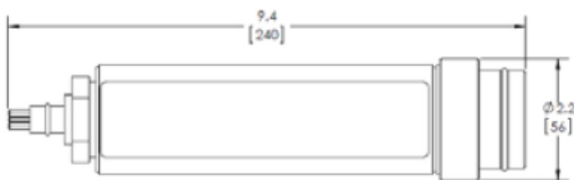


Features:

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

Applications:

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



Operating frequency	200 kHz (nominal)
Beam width	14° conical typical
Pulse length	250 ms standard
Repetition rates	5 pps or external
Range	100 metres full scale
Resolution	RS-232: 1 cm Analogue: 2.5 cm
Range output	Digital: RS-232 Analogue: 0-5 Vdc
Operating depth	6000 metres
Power required	6 to 24 Vdc
Power consumption	50 ma @ 15 Vdc
Dimensions	24 cm length, 5.6 cm width
Weight	0.7 kg in air; 0.5 kg in water



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