

1107 ALTIMETER



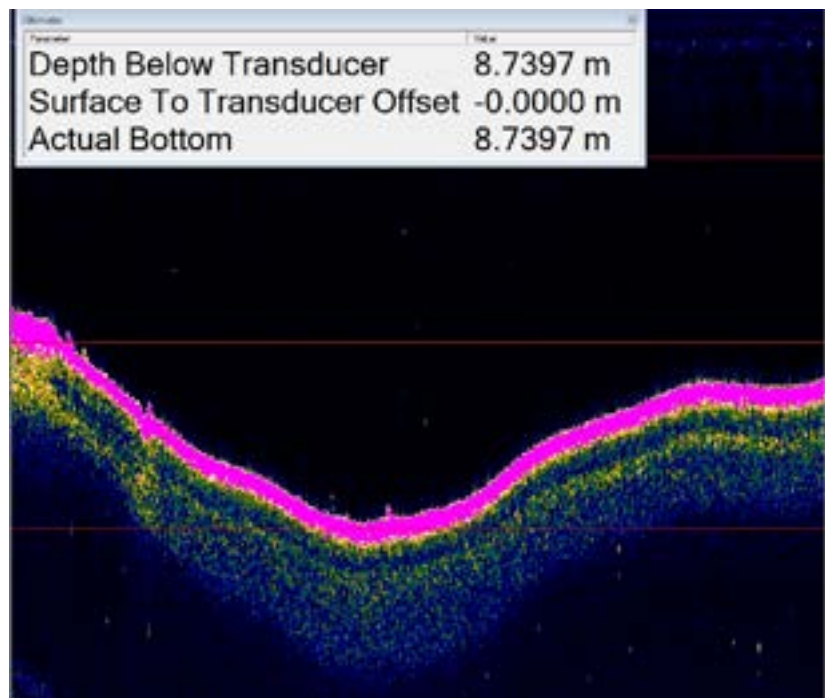
HIGH-RESOLUTION ALTIMETERS
FOR DEEP-OCEAN APPLICATIONS

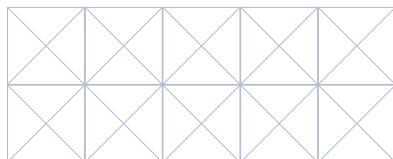
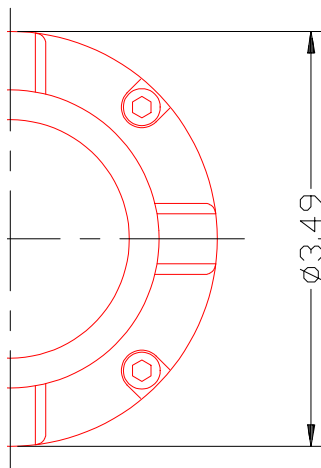
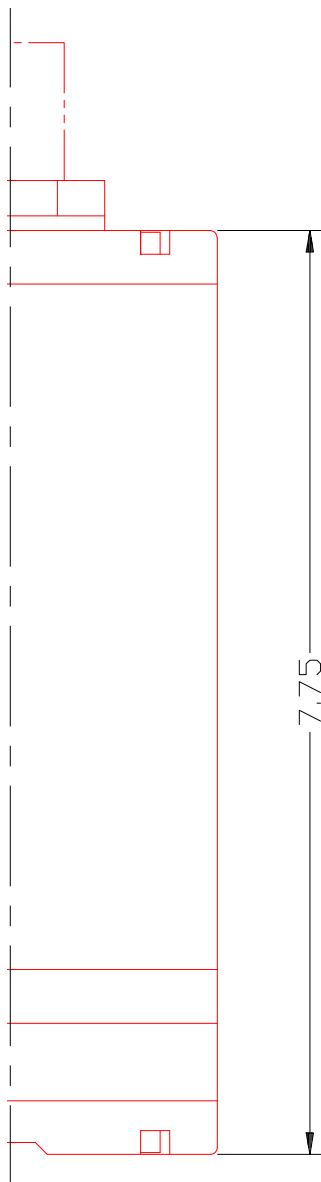
1107 SERIES ALTIMETERS P/N 975-71050000

An underwater or subsea altimeter is primarily used to measure the altitude (height) of an object above the seafloor. Kongsberg Mesotech's underwater altimeters are also suited to various other applications, including positioning, berthing, and below-surface monitoring. The underwater vehicle industry (ROVs and AUVs) is the primary user of altimeters.

HIGHLIGHTS

- Depth rating: 3000 m
- Robust design
- Small and lightweight
- NMEA DBT output
- Suitable for various applications, including positioning, berthing, height above seabed, and below-surface monitoring





TECHNICAL SPECIFICATIONS

Operating frequency	675 kHz
Operating depth	3000 m
Beam width	2.7° nominal
Minimum range	1.0 m (3.28 ft), configurable
Maximum range	110 m (360.8 ft), configurable
Output resolution	6.88 mm (affected by range settings), configurable
Range window	110 m
Transmit Pulse length	200 μ s, configurable
Repetition rate	Affected by range and resolution settings
Assumed speed of sound	1475 m/s (4839 ft/s), configurable
Operating mode	809 mode, configurable
Telemetry interface	RS232C (RS485 optional), contact factory for options
Receive bandwidth	28 kHz max.
Downlink baud rate	9600 bps, contact factory for options
Uplink baud rate	9600 bps, contact factory for options
Hold-off synchronization	Via serial command
Connector	Seacon XSG-4-BCL
Power requirements	+22 to +28 VDC @ 1.0 A startup, 250 mA continuous
Temperature range	-10 to +40°C operating, -30 to +50°C storage
Materials	Aluminium 6061-T6, 300-Series Stainless Steel, PVC, and Epoxy
Finish	Anodize, black MIL-A-8625 type 2
Dimensions	
Length	197 mm/7.75" (excludes connector)
Diameter	88 mm/3.49"
Weight (est.)	
in air	2.4 kg/5.2 lbs
in water	1.1 kg/2.4 lbs

Note: Use ALTCONFIG software to permanently change configurable settings.

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