

1107 ALTIMETER



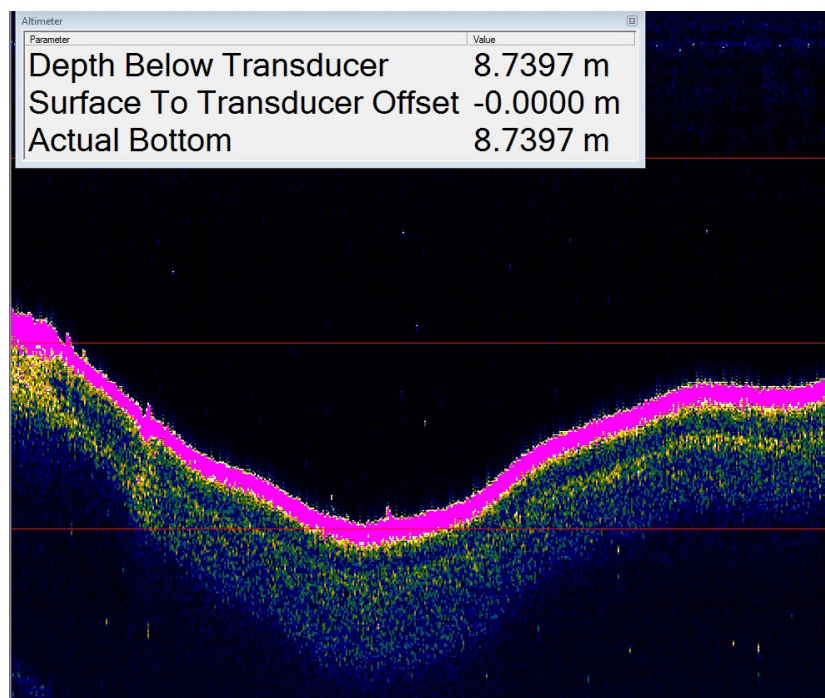
HIGH-RESOLUTION ALTIMETERS
FOR DEEP OCEAN APPLICATIONS

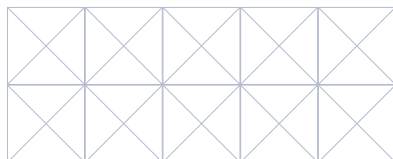
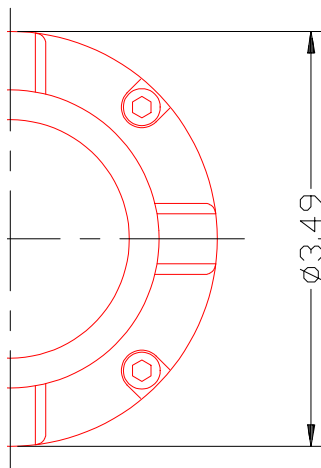
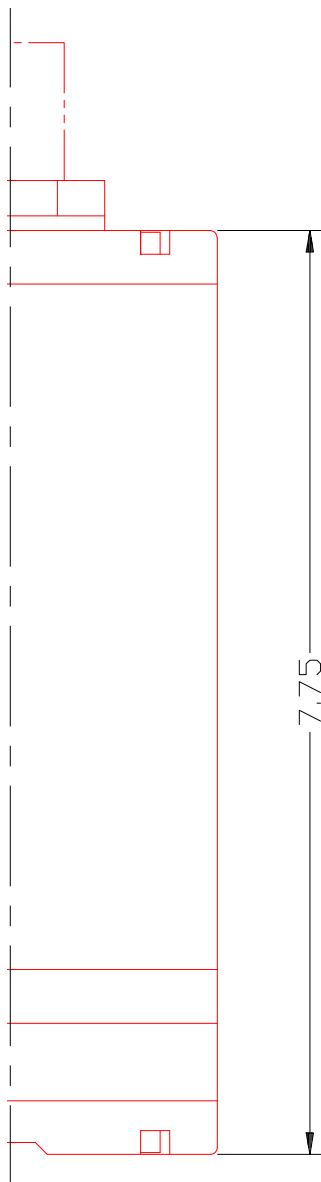
1107 SERIES ALTIMETERS P/N 975-71080000-7802

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	200 kHz
Operating depth	3000 m
Beam width	10° nominal
Minimum range	0.6 m
Maximum range	100 m
Output resolution	25 mm
Range Window	2 m
Transmit Pulse length	100 µS
Repetition rate	Approximately 6/sec
Assumed speed of sound	1478 m/sec
Telemetry interface	Analog Output
Max. Range Output	10.00 V
Min. Range Output	0.060 V
Over Range Output	10.24 V
Receive bandwidth	20 kHz max.
Connector	Burton 5507-1503-0004
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

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