

1007 Series Altimeter



The Kongsberg 1007D is a precision sonar hydro acoustic altimeter specifically designed for applications where long range, high accuracy is required. All Kongsberg Mesotech underwater altimeter models can operate as a stand alone mode, or can be directly connected to the MS 1000 scanning sonar processor. The 1007 digital altimeters are small, light weight and designed for deep ocean applications, where dimensions and weight are key equipment selection factors. The 1007 altimeter is ideally suited to applications such as: positioning, berthing, height above seabed, and below surface monitoring.

Specifications

Product	1007 Series Altimeter
Country of origin	Norge
Manufacturer	Kongsberg Discovery

Specifications

Operating Frequency	200 kHz
Beam Width	10° nominal
Minimum Range²	Adjustable, limited by pulse length
Maximum Range²	Adjustable, < 500 M, 300 M usable
Output Resolution²	Adjustable, > 2.4mm
Transmit Pulse Widths²	Adjustable, 20 to 1000 µS
Repetition Rate	Limited by range and resolution
Assumed speed of sound²	Adjustable, 1400 to 1600 M/S

Receive Bandwidth	20 kHz max
Operating Mode¹	Configurable, 807, 809 or MS1000
Serial Interface^{2 3 4}	RS232C or RS485
Downlink Baud Rate	9600 bps
Uplink Baud Rate	9600 bps, adjustable in MS1000 mode
Hold-off Synchronization	Via serial command
Aux. Analog Output¹	Configurable, 0-5V or 0-10V
Power Requiremen	+22 to +26 Vdc @ 1.8A startup, 250 mA continuous
Temperature Range	-10 to +50°C operating -30 to +50°C storage

Operating Depth	20 kHz max
Connector	Configurable, 807, 809 or MS1000
Materials	RS232C or RS485
Finish	9600 bps
Dimensions: (3000m)	9600 bps, adjustable in MS1000 mode
(Est.) Weight:	
Air	5.2 lbs./2.4 kg
Water	2.4 lbs/1.1 kg
Temperature Range	-10 to +50°C operating -30 to +50°C storage

