

EchoSounder

The Geosense® EchoSounder sets new standards in ultra compact sonar technology and acts as a stand-alone altimeter, providing accurate height off the seabed and other subsea distance measurements



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Overview



APPLICATIONS

Dam reservoir silt level monitoring

Sea-bed scour monitoring

FEATURES

Ultra compact professional altimeter

Analogue and digital output

Millimetric resolution

Depth rating 750m

Laptop control

Low cost

The Geosense® EchoSounder sets new standards in ultra compact sonar technology and acts as a stand-alone altimeter, providing accurate height off the seabed and other subsea distance measurements.

The EchoSounder is a robust professional offshore or freshwater altimeter, built to the highest quality standards. It is optimised for operation on small vehicles, as it is both compact and very lightweight in water.

A wide range of voltage inputs is available to suit individual projects.



EchoSounder

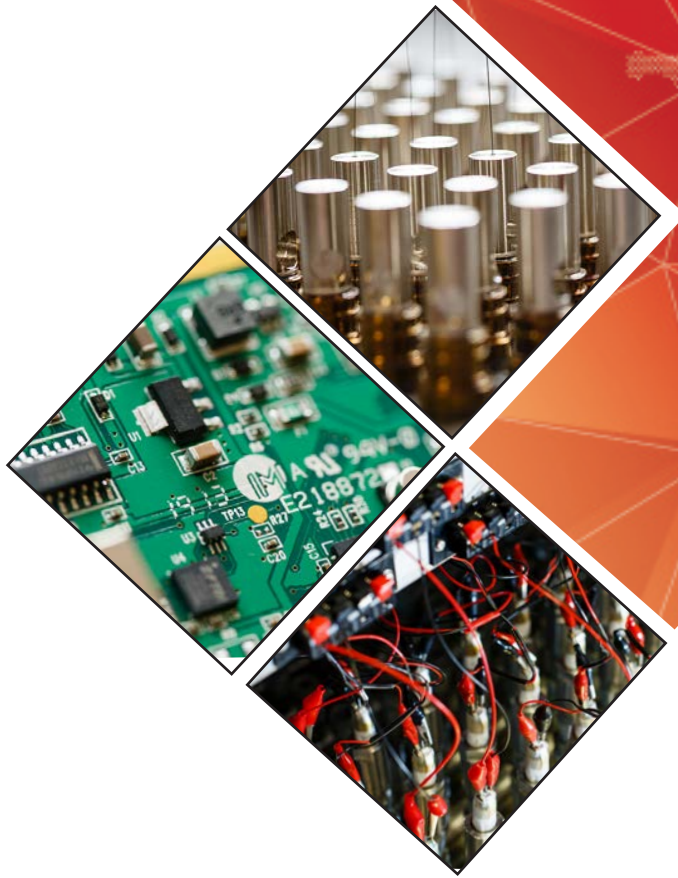
Specifications

GENERAL

| | |
|-----------------------|--|
| Operating Frequency | 500KHz |
| Beam width | 6° conical (at 500KHz) |
| Operating Range | 50m (160ft) |
| Power Requirements | 12V to 50VDC @ 3.5 VA |
| Digital Resolution | 1mm |
| Analogue Output | 0-5V, 1-50m |
| Data Communication | RS485; RS232 |
| Output Format | ASCII, NMEA, DBT |
| Topside Control | Customer-supplied PC or Laptop using standard serial communications port with Windows 98, 2000, XP or Vista operating system |
| Maximum diameter | 56mm |
| Maximum height | 59mm |
| Weight in air | 200 grams |
| Operational Depth | 750m (2,460ft) standard |
| Operating Temperature | -10°C to +35°C |
| Storage Temperature | -20°C to +50°C |

ORDERING INFORMATION

| |
|----------------|
| Type |
| Size |
| Pressure Range |
| Cable Length |
| Accessories |
| Crimping Tool |



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