



881 Echo Sounder
445-014 AUGUST 2002

IMAGENEX MODEL 881 DIGITAL ECHO SOUNDER

APPLICATIONS:

- ROV, AUV & UUV
- Offshore Oil & Gas
- Surveying
- Underwater Archaeology
- Scientific Research

FEATURES:

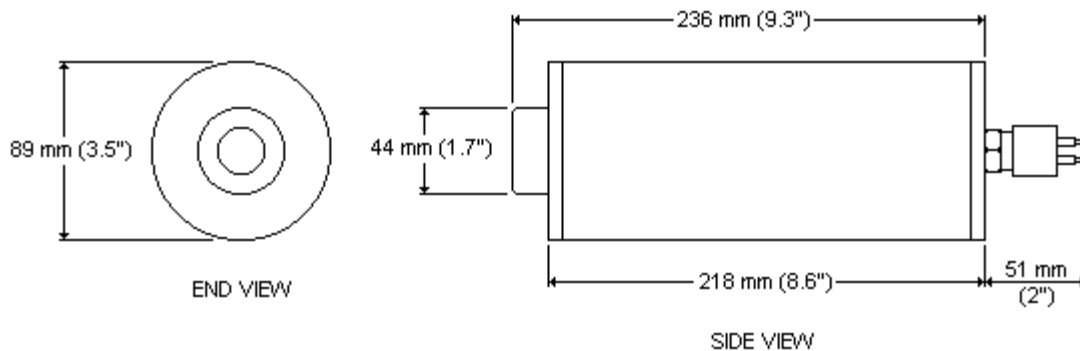
- Programmable
- High performance
- Low power
- Simple set-up and installation
- Digital telemetry
- 1 to 100 m operation
- Compact size
- Communication format available to user



The Imagenex Model 881 Echo Sounder is a completely self-contained echo sounder with a serial output. It is mounted in a pressure-proof housing with an underwater connector for use in depths up to 1000 meters (3300 feet). It can be used as a standard echo sounder or with digitized first returns only. Its requirements are minimal, needing only a power source and a digital interface to an external device such as a personal or laptop computer. Can also be used in conjunction with the DF-1030 Sub-Bottom Profiler.

HARDWARE SPECIFICATIONS:	
FREQUENCY	675 kHz or 330 kHz (optional)
TRANSDUCER	Conical
TRANSDUCER BEAM WIDTH	10°(Standard)
RANGE RESOLUTION	10 mm
MIN. DETECTABLE RANGE	150 mm (6")
MAX. OPERATING DEPTH	1000 m
MAX. CABLE LENGTH	1000 m on typical twisted shielded pair (RS-485)
INTERFACE	RS-485 serial interface @ 115.2 kbps
CONNECTOR	End mount connector (Impulse BH-4-MP-SS) or optional low profile end mount connector
POWER SUPPLY	22 – 48 VDC at 0.5 Amp max.
DIMENSIONS	89 mm (3.5") diameter x 236 mm (9.3") length
WEIGHT: In Air	1.1 kg (2.3 lbs)
In Water	TBA
MATERIALS	6061-T6 Aluminum & PVC
FINISH	Hard Anodize

SOFTWARE SPECIFICATIONS:	Win881SB.exe
WINDOWS™ OPERATING SYSTEM	Windows™ 95, 98, Me
RANGE SCALES	5 m, 10 m, 20 m, 30 m, 40 m, 50 m
FILE FORMAT	(filename).81e
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:	100 MHz Pentium 16 MB RAM 1 GB Hard Disk 800 x 600 x 256 colour graphics



ORDERING INFORMATION:		
1000 m UNIT	Standard	881-000-140
330 kHz	Option	-001
Low profile end mount connector	Option	-011

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