



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:

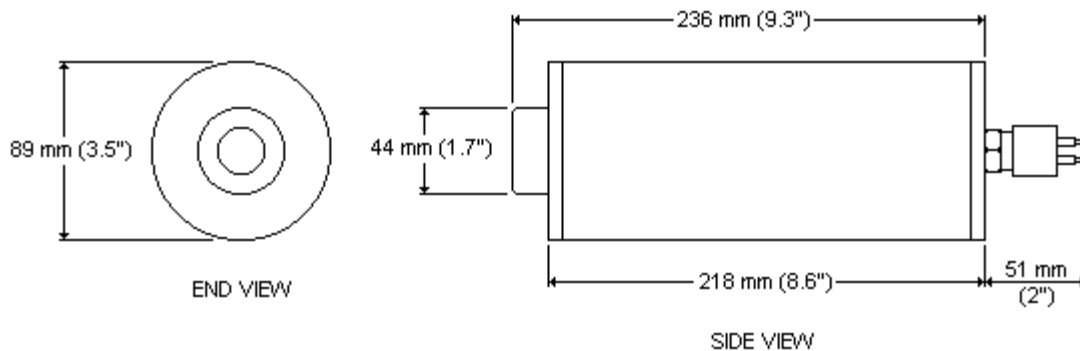
- Programmable
- High performance
- Low power
- Simple set-up and installation
- Digital telemetry
- 1 to 100 m operation
- Compact size
- Communication format available to user



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.

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

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



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

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