

## IMAGENEX MODEL 881A 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 881A 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 3000 meters (10000 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. It uses the 881A control/data format and can be used with the 881A Multiplexer.

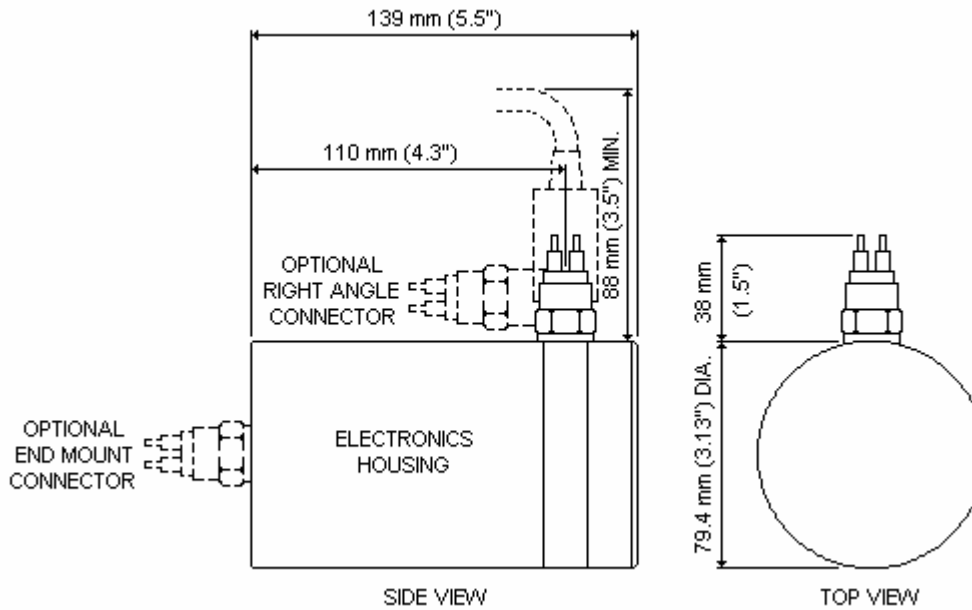


Picture shown with optional right angle connector.

<b>HARDWARE SPECIFICATIONS:</b>	
<b>FREQUENCY</b>	675 kHz
<b>TRANSDUCER</b>	Conical
<b>TRANSDUCER BEAM WIDTH</b>	10°(Standard)
<b>RANGE RESOLUTION</b>	1 m – 4 m: 2 mm (0.08") 5 m & up: 10 mm (0.4")
<b>MIN. DETECTABLE RANGE</b>	150 mm (6")
<b>MAX. OPERATING DEPTH</b>	1000 m and 3000 m available
<b>MAX. CABLE LENGTH</b>	1000 m on typical twisted shielded pair (RS-485)
<b>INTERFACE</b>	RS-485 serial interface @ 115.2 kbps (or optional RS-232)
<b>CONNECTOR</b>	Side mounted four conductor wet mateable connector (Impulse MCBH-4-MP-SS) Optional right angle or end mount connector
<b>POWER SUPPLY</b>	20 – 36 VDC at less than 3 Watts
<b>DIMENSIONS (for both depth ratings)</b>	79.4 mm (3.125") diameter x 139 mm (5.5") length
<b>WEIGHT: In Air</b>	1000 m unit: 1.1 kg (2.3 lbs) 3000 m unit: TBA
<b>In Water</b>	1000 m unit: TBA 3000 m unit: TBA
<b>MATERIALS</b>	1000 m unit: 6061-T6 Aluminum & PVC 3000 m unit: Titanium, PVC & 300 series stainless steel
<b>FINISH</b>	Hard Anodize

<b>SOFTWARE SPECIFICATIONS:</b>	<b>Win881AE.exe</b>
<b>WINDOWS™ OPERATING SYSTEM</b>	Windows™ 95, 98, Me, NT*, 2000*, XP*
<b>MODES</b>	Echosounder
<b>RANGE SCALES</b>	1 m, 2 m, 3 m, 4 m, 5 m, 10 m, 20 m, 30 m, 40 m, 50 m, 60 m, 80 m, 100 m
<b>FILE FORMAT</b>	(filename).81g
<b>RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:</b>	100 MHz Pentium 16 MB RAM 1 GB Hard Disk 800 x 600 x 256 colour graphics

\* Requires Win881A.exe v2.00 or higher (Free upgrade available for older versions – Contact Imagenex)



<b>ORDERING INFORMATION:</b>		
<b>1000 m UNIT</b>	Standard	881-000-141
<b>3000 m UNIT</b>	Standard	881-000-142
RS-232	Option	-006
End mount connector	Option	-009
Right angle connector	Option	-010

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