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
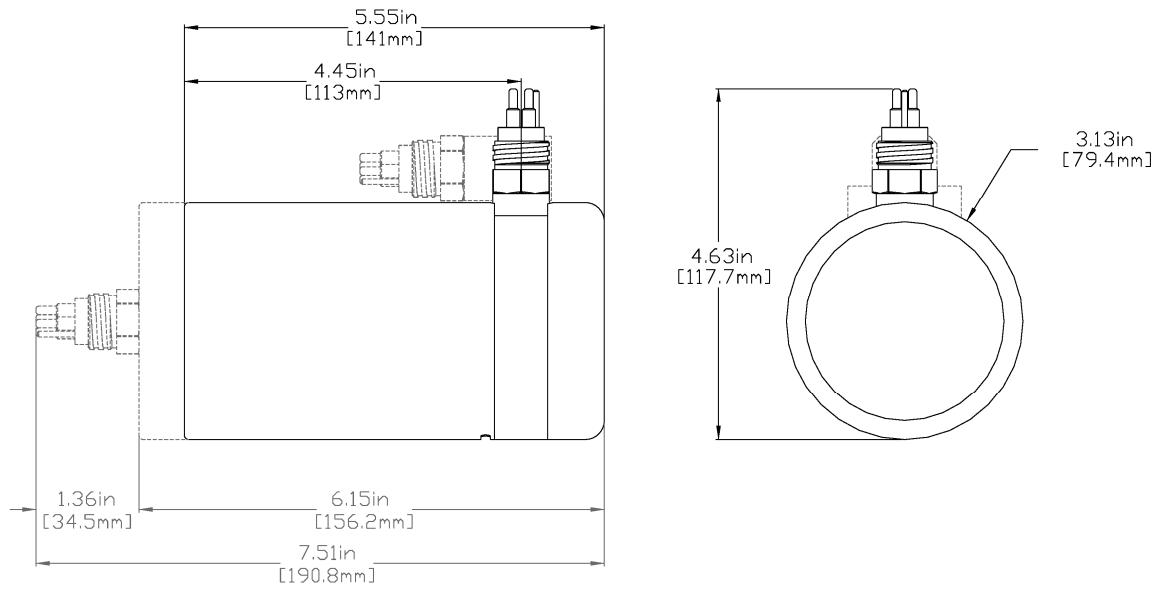- Compact size
- Communication format available to user

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.

Picture shown with optional right angle connector.

www.imagenex.com

HARDWARE SPECIFICATIONS:	
FREQUENCY	675 kHz
TRANSDUCER	Conical
TRANSDUCER BEAM WIDTH	10°(Standard)
RANGE RESOLUTION	1 m – 4 m: 2 mm (0.08") 5 m & up: 10 mm (0.4")
MIN. DETECTABLE RANGE	150 mm (6")
MAX. OPERATING DEPTH	1000 m and 3000 m available
MAX. CABLE LENGTH	1000 m on typical twisted shielded pair (RS-485)
INTERFACE	RS-485 serial interface @ 115.2 kbps (or optional RS-232)
CONNECTOR	Side mounted, four conductor wet mateable connector (Subconn MCBH4M-AS) Optional right angle or end mount connector
POWER SUPPLY	20 – 36 VDC at less than 3 Watts
DIMENSIONS **(for both depth ratings)**	79.4 mm (3.125") diameter x 139 mm (5.5") length
WEIGHT: In Air **In Water**	1000 m unit: 1.1 kg (2.3 lbs) 3000 m unit: TBA 1000 m unit: TBA 3000 m unit: TBA
MATERIALS	1000 m unit: 6061-T6 Aluminum & PVC 3000 m unit: Titanium, PVC & 300 series stainless steel
FINISH	Hard Anodize

SOFTWARE SPECIFICATIONS:	**Win881AE.exe**
WINDOWS™ OPERATING SYSTEM	Windows™ XP, Vista, 7, 8, 10
MODES	Echosounder
RANGE SCALES	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
FILE FORMAT	(filename).81g
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:	100 MHz Pentium 16 MB RAM 1 GB Hard Disk 800 x 600 x 256 colour graphics

Dimensional Drawing

5.55in
[141mm]

4.45in
[113mm]

3.13in
[79.4mm]

4.63in
[117.7mm]

1.36in
[34.5mm]

6.15in
[156.2mm]

7.51in
[190.8mm]

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

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