



**852 Echo Sounder 11000 m**  
445-060 MARCH 2009-REVISED FEBRUARY 2021

## IMAGENEX MODEL 852 ULTRA-MINIATURE 11000 m ECHO SOUNDER

### APPLICATIONS:

- ROV Navigation
- Diving Support
- Inspection
- Search & Recovery

### FEATURES:

- Ultra-miniature size is ideal for mounting on today's micro ROV's
- Low cost
- Direct connection to laptop computer
- External trigger available

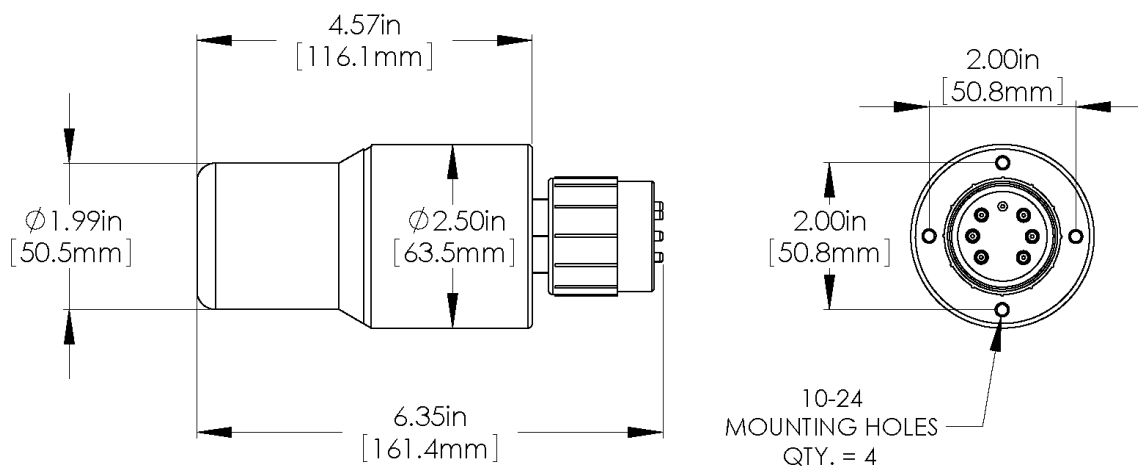
The Model 852 Digital Echo Sounder was designed for use with the smallest of ROV's. For maximum flexibility, the unit requires approximately 1.5 Watts from 9 – 50 VDC. Serial communication is utilized, RS-485 or RS-232 at 115.2 kbps. The maximum operating range is 50 meters.



| HARDWARE SPECIFICATIONS: |                                         |
|--------------------------|-----------------------------------------|
| FREQUENCY                | 330 kHz                                 |
| TRANSDUCER BEAM WIDTH    | 30° Conical                             |
| RANGE RESOLUTION         | 20 mm                                   |
| MIN. DETECTABLE RANGE    | 500 mm                                  |
| MAX. OPERATING DEPTH     | 11000 m                                 |
| MAX. CABLE LENGTH        | 1000 m on typical twisted shielded pair |
| INTERFACE                | RS-485 @ 115.2 kbps (RS-232 optional)   |
| CONNECTOR                | BH6M-Titanium                           |
| POWER SUPPLY             | 9 – 50 VDC at less than 1.5 Watts       |
| DIMENSIONS               | See drawing                             |
| WEIGHT: In Air           | ~913 g (~2 lbs)                         |
| In Water                 | ~0.75 kg (~1.7 lbs)                     |
| MATERIALS                | 6AL4V Titanium, PVC, Epoxy              |
| FINISH                   | Natural                                 |

\*For echo sounders manufactured prior to April 2016, please contact Imagenex to confirm operating voltage.

|                                                   |                                                                                   |
|---------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>SOFTWARE SPECIFICATIONS:</b>                   | <b>Win852.exe</b>                                                                 |
| <b>WINDOWS™ OPERATING SYSTEM</b>                  | Windows™ XP, Vista, 7, 8, 10                                                      |
| <b>MODES</b>                                      | Echosounder                                                                       |
| <b>RANGE SCALES</b>                               | 5 m, 10 m, 20 m, 30 m, 40 m, 50 m                                                 |
| <b>EXTERNAL INPUT</b>                             | Depth, Heading, Turns                                                             |
| <b>FILE FORMAT</b>                                | (filename).852                                                                    |
| <b>RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:</b> | 100 MHz Pentium<br>16 MB RAM<br>1 GB Hard Disk<br>800 x 600 x 256 colour graphics |



|                              |          |             |
|------------------------------|----------|-------------|
| <b>ORDERING INFORMATION:</b> |          |             |
| <b>11000 m UNIT</b>          | Standard | 852-000-145 |
| RS-232                       | Option   | -006        |

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