



852 Echo Sounder 1000 m
445-058 JULY 2008-REVISED MARCH 2021

IMAGENEX MODEL 852

ULTRA-MINIATURE 1000 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	675 kHz
TRANSDUCER BEAM WIDTH	9° x 9°
RANGE RESOLUTION	20 mm
MIN. DETECTABLE RANGE	500 mm
MAX. OPERATING DEPTH	1000 m
MAX. CABLE LENGTH	1000 m on typical twisted shielded pair
INTERFACE	RS-485 @ 115.2 kbps (RS-232 optional)
CONNECTOR*	Subconn MCBH4M
POWER SUPPLY**	9 – 50 VDC at less than 1.5 Watts
DIMENSIONS	See drawing
WEIGHT: In Air	~ 400 g
In Water	TBA
MATERIALS	6061-T6 Aluminum, PVC, Epoxy
FINISH	Hard Anodize

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

