



## S.H.A.R.P. Hydrophone Checker

- Suitable for testing a wide range of hydrophones
- Easy portability with electronics, acoustic source, and reference hydrophone — all in one case
- Consistent results by eliminating air temperature and humidity variations through the use of a feedback control loop
- $\frac{1}{4}\lambda$ , acoustic, resonance pipe ensures strong signal amplitude at measurement point; sensitivity adjustment accessible on front panel
- Battery-powered for portability with external 12-Volt power connector provided
- Provision for G.R.I.P. Checker connection for resistance and impedance tests



Testing hydrophones in the field can be complicated with results strongly influenced by the level of the measurement drive signals. The Sensor Hydrophone Acoustic Response and Polarity (S.H.A.R.P.) Checker allows a quick and reliable, in-field, acoustic measurement of hydrophone sensitivity and polarity.

## Specifications

INPUT/OUTPUT, INC.

<b>Sensitivity</b>	<b>S.H.A.R.P.</b> Selectable 0 V/bar – 2 V/bar, 1 V/bar – 20 V/bar, or 10 V/bar – 200 V/bar
<b>Polarity</b>	Direct and clear indication, using red/green LEDs
<b>Test Frequency</b>	Approximately 170 Hz
<b>Acoustic Test Level</b>	Approximately 1 mbar <i>RMS</i>
<b>Input Impedance</b>	200 k $\Omega$
<b>Power</b>	Internal, 12-V, 1.2-Ah battery, providing 6 hours of continuous testing External, 12-V battery Selectable 110-Vac or 230-Vac adapter/charger
<b>Physical Characteristics</b>	
Transport case	
Dimensions	340 mm x 185 mm x 530 mm (13.4 in x 7.3 in x 20.9 in)
Weight	12.6 kg (27.7 lb)
S.H.A.R.P.	
Dimensions	680 mm x 260 mm x 160 mm (26.8 in x 10.2 in x 6.3 in)
Weight	5.1 kg (11.2 lb)
Operating temperature range	+0°C to +50°C (+32°F to +122°F)
<b>Limited Warranty Period</b>	180 days

## Ordering Information

<b>S.H.A.R.P. Hydrophone Checker</b>	P/N 52754
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