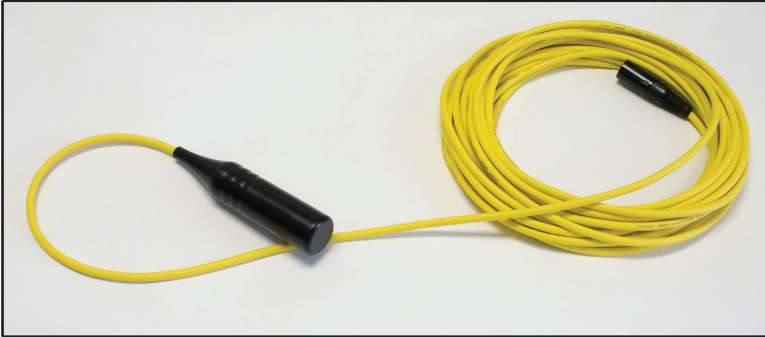


SLA-2125 Hydrophone

Low Frequency XLR Omni-Directional Series



Base price includes characterized hydrophone, 10 m cable, and XLR connector.
Please contact SeaLandAire for customized solutions specific to your application

SPECIFICATIONS

receive sensitivity: $-157 \text{ dB} \pm 3 \text{ dB re } 1 \text{ V} / \mu\text{Pa}$

linear frequency range: $10 \text{ Hz} - 10 \text{ kHz} \pm 3 \text{ dB}$

horizontal directivity: omni-directional below 10 kHz

vertical directivity: omni-directional below 10 kHz

optimized operational depth: 427 m (1400 ft)

crush depth: 527 m (1730 ft)

maximum sound pressure: 3 dB distortion re 210 dB

self (equivalent) noise: 48 dB re $1 \mu\text{Pa}$ @ 100 Hz

dry weight: 170 g without cable (0.37 lb)

wet weight: 0.06 kg without cable (0.2 lb)

operating temperature: -40 to 85 C (-40 to 185 F)

supply voltage: 10 - 48 Vdc phantom supply

current: 0.05 A @ 12 Vdc

power consumption at 12 Vdc: 0.6 W

preamplifier gain: 41 dB

cable length drive capability: 100 m (328 ft)

housing materials: hard anodized 6061 T6 Aluminum

100% leak tested cable: high performance XLR standard

dry connector: balanced XLR standard

full unit-specific calibration: available option

The SLA-2125 series is a new standout in the omni-directional hydrophone market. This series offers a flat response, high sensitivity, and rugged assembly designed and manufactured in a manner developed through 3 decades of experience in the defense industry.

It also incorporates an integrated preamplifier gain and standard XLR interface that recognizes 48 Vdc phantom power.

It's ease of use, high sensitivity, and flat response make it a perfect solution for the professional and hobbyist alike in fields such as:

- * whale watching
- * audio production
- * ambient data collection
- * environmental monitoring
- * marine mammal monitoring
- * long distance acoustic communication

Typical Free Field Voltage Sensitivity (FFVS) Response

