

SQ03 Broadband Hydrophone

HYDROPHONES



OVERVIEW

The SQ03 is a general-purpose research and industrial hydrophone that has an integrated pre-amplifier with a 40-dB gain. It has good sensitivity and bandwidth characteristics. The standard version comes with a 3m cable. Custom configurations can be provided on request.

SPECIFICATIONS

Voltage sensitivity: -162.0 ± 1.0 dBV re $1 \mu\text{Pa}$ @ 20°C ,
794 V/bar (with 40 dB gain pre-amplifier)

Capacitance variation with temperature: 0.33% increase per $^\circ\text{C}$

Capacitance variation with pressure: 7% loss per 1,000 m (3,300 ft)

Operating depth: down to 650 m

Frequency response: 1 Hz to 65,000 Hz

Diameter: 25.4 mm (1.0")

Length: 152.4 mm (6.0")

Mass: 250 grams (8.8 oz) without cable

Pre-amplifier: integral, single-ended (SA02) or differential (SA03), 40 dB gain.

Cable: 3m, neoprene jacket,
4-wire shielded cable std.

FEATURES

- Integrated pre-amplifier
- Good sensitivity
- Low noise

APPLICATIONS

- Research and development
- Hydrophones requiring Long cable lengths