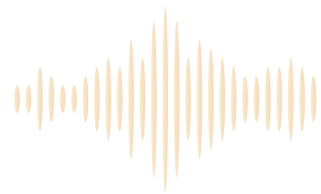




# Underwater Acoustic Projector



## Underwater Acoustic Projector

This series is a compact low-frequency broadband underwater acoustic transmitting transducer with a moving coil-piezoelectric ceramic composite sound source. The moving coil handles frequencies below 2kHz, and the integrated piezoelectric ceramics cover high frequencies. Overall bandwidth: 20Hz ~ 10kHz, max source level > 150dB. Cylindrical, standalone, max operating water depth > 300m. Supporting low-frequency broadband power amplifier: 0 ~ 10kHz bandwidth, constant current/voltage output modes, voltage and current monitoring



## Features

- 20Hz ~ 10kHz
- Source level >150 dB (ref: 1μPa @ 1m)
- Pressure-resistant water depth > 300m
- Compact structure
- Height: 25cm, diameter: 25cm
- Lightweight
- Two operating modes: constant current and constant voltage
- Multiple protection mechanisms

## Applications

- Sonar testing and evaluation
- Underwater noise simulation
- Hydrophone and receiving array calibration
- Underwater acoustic communication and channel research
- Marine bioacoustics research
- Underwater target detection system debugging
- Underwater acoustic countermeasure technology research
- Naval vessel underwater acoustic performance testing
- Offshore oil and gas platform underwater acoustic monitoring equipment calibration
- Underwater acoustic sensor network performance verification
- Underwater navigation aid equipment testing and optimization
- Freshwater lake/reservoir underwater acoustic environment investigation

## Specifications

MODEL	QS150
Operating Bandwidth	20Hz-10kHz
Source Level	>150 dB (ref: 1μPa @ 1m)
Max. Operating Depth (Pressure-Resistant)	>300 meters
Dimensions (mm)	250 height x 250 diameter
Weight (in Air)	30 kg
Operating Mode	Constant current & constant voltage
Shaper	Cylindrical