

Hydrophone SC0190



The SC0190 is a bulkhead mounting omnidirectional hydrophone, suitable from low to high frequencies (up to 180 kHz bandwidth) and ultra deep applications (up to 3500m) as ambient noise measurements, marine mammal detection and monitoring, as well as seismic studies. The SC0190 has a standard 7/16-20 thread and its small dimensions allows to be used in a wide range of applications. If mounted on a metal housing, it is important that the housing is made of the same material, for this reason this model is available in different body materials.



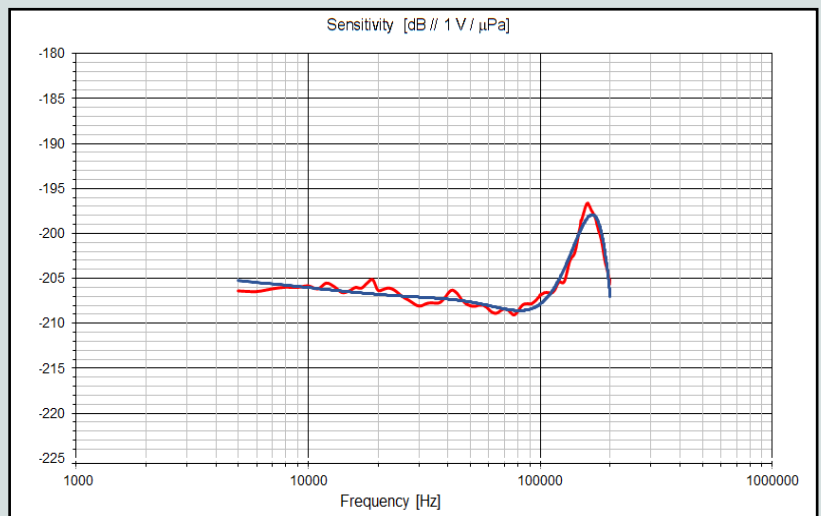
Key Features:

- Resistant to high static pressure
- Wide frequency band
- Small and robust
- Individually calibrated
- Long term stability
- Omnidirectional in all planes

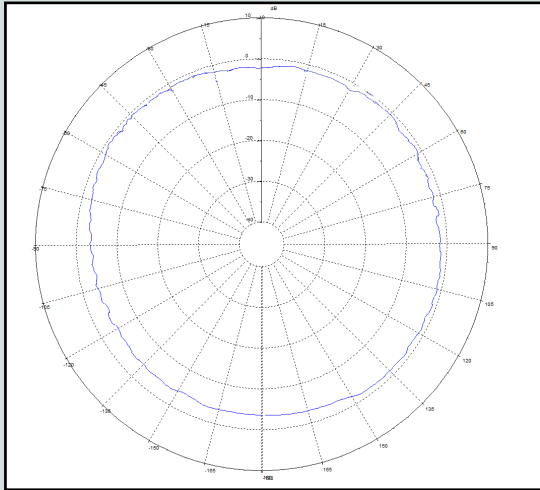
Working band:	5 –180.000 Hz
Receiving sensitivity:	-205 dB re 1V/uPa @5kHz
Directivity :	Spherical - Omnidirectional
Max working depth :	3500 m
Outline dimensions:	55 mm x 24,2 mm
Weight in air:	100 gr
Body construction:	Stainless steel AISI 316 / Bronze / Reinforced resin

Typical applications:

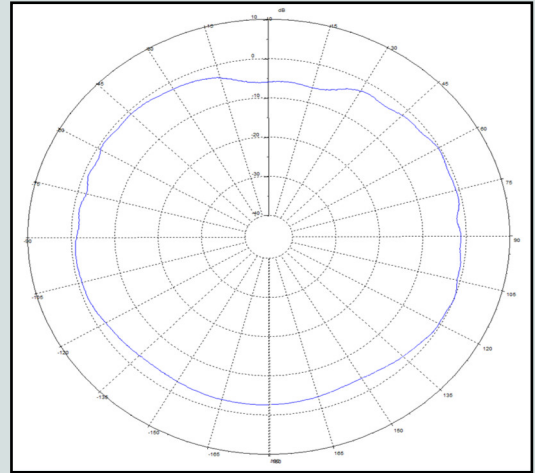
- Data acquisition systems
- ROV systems
- Marine mammal studies
- Acoustic monitoring stations
- Seismic studies
- Ocean bottom applications
- Ultra deep applications



Directivity on horizontal and vertical plane



Horizontal 140kHz



Vertical 20kHz

Mechanical outline

