

# Product Data

## CR-100-27 Hydrophone

### Description

The CR-100 is an encapsulated active ceramic hydrophone designed for the researcher. High quality ceramic with sound-transparent rubber encapsulant provides excellent sensitivity and wide band (up to 100kHz). The Ultra-low noise, high impedance preamplifier provides signal conditioning.

### USES:

- Cetaceans research.
- Underwater Film making.
- Dolphin and whale watching boats.
- Multimedia

### FEATURES:

- Stainless steel
- Wide frequency range
- 27dB inbuilt FET preamplifier
- RF shielded
- Robust construction
- High quality shielded cable

### SPECIFICATIONS:

Frequency range :  
7Hz to 100KHz

Ceramic resonant frequency:  
>200Khz

Sensitivity: (typical)  
-179 dB  $\pm$ 5dB re 1V/uPa

Directivity  
Horizontal:  
Omni-directional  
+/- 3dB at 1Khz  
Vertical:  
260° +/- 6dB at 1kHz

Supply voltage:  
12 to 24 volts DC

Supply Current:  
10 mA

Operating depth:  
400 meter

Operating temperature  
-1°C to 55°C

Dimensions  
140mm x 19mm  
(Cable not included)

Cable  
2 core & shield



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