

UWC001 Low frequency Hydrophone



The UWC001 Low frequency Hydrophone is a robust single element hydrophone designed for immersion use in the frequency range 1-15 kHz. With a simple 2-pin arrangement for connection to circuitry and a threaded section and o-ring flange for bulkhead mounting the UWC001 hydrophone can easily be fitted to equipment in the lab and in the field.

DESIGN FEATURES

- Designed for immersion use
- Suitable for inclusion in potable water supplies
- Robust ABS connector for mounting

TECHNICAL SPECIFICATION

- Typical receive sensitivity: -205 dB (re 1V/ μ Pa)
- Probe capacitance: 15 nF (@1kHz)
- Directivity variation: <2dB (360° circumferentially at 5 kHz)
- Directivity variation: 3dB (180° vertical axis at 5 kHz)
- Weight: 20g
- Height: 62mm (excluding electrode pins)
- Diameter: 17.4mm (excluding flange)

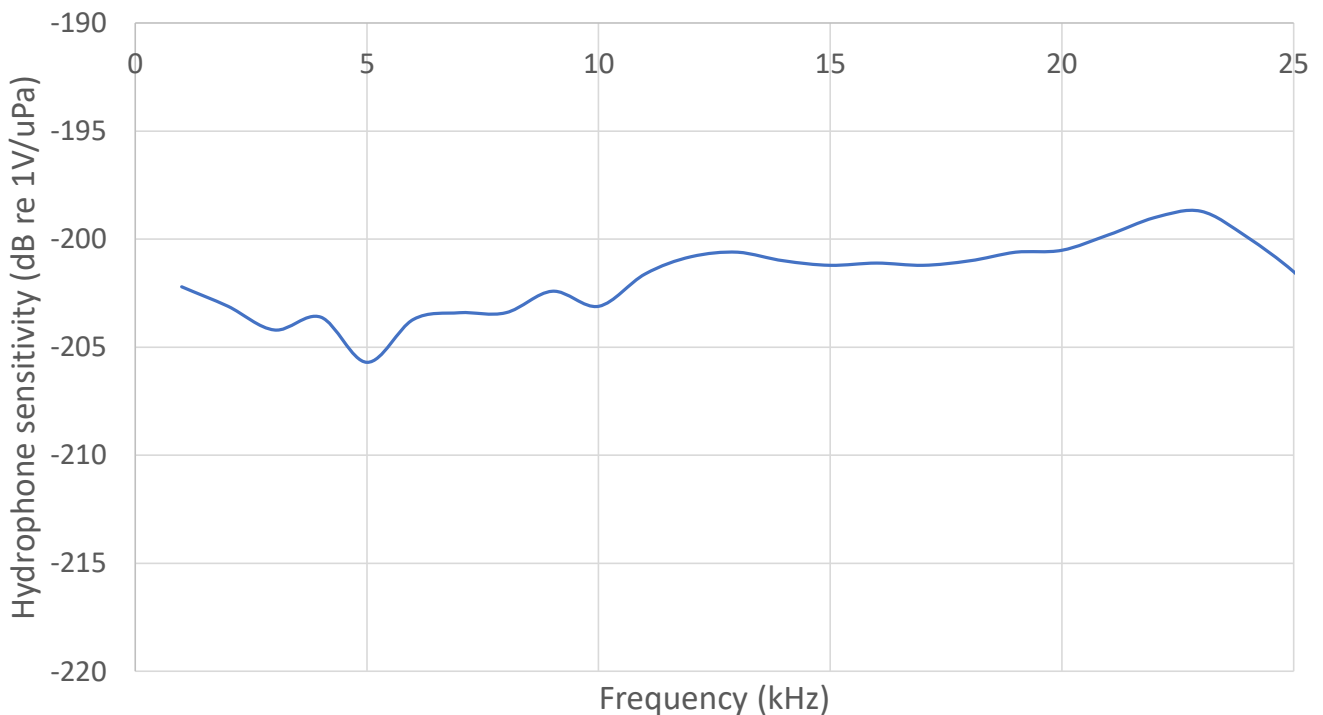


Figure 1. Typical sensitivity of the UWC001 hydrophone over the 1-25kHz range.

For further information or to discuss additional options that are available from Precision Acoustics including our custom sensor design service email: office@acoustics.co.uk

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