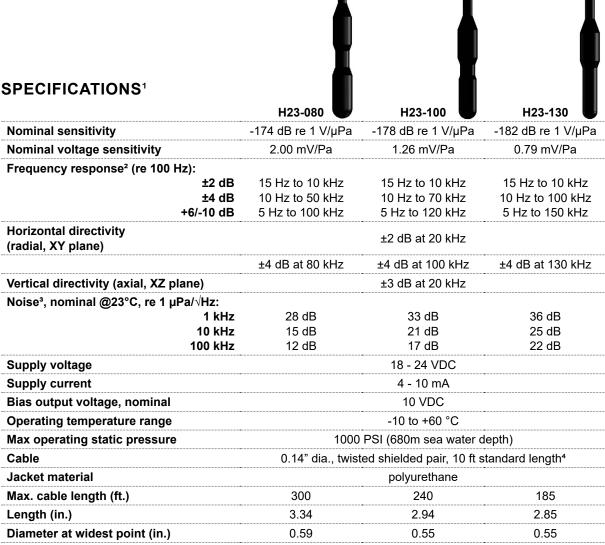
## **Hydrophones**



### H23 series

The H23 series of hydrophones are designed to be small, versatile, self-amplified, and shielded for a wide variety of underwater acoustic measurements. Ruggedness, low cost and an ultra low-noise internal amplifier are prime features of this unit. The frequency responses of the models provide a flat response and are omnidirectional over a wide range of frequencies and orientations. The internal amplifier eliminates triboelectric cable noise, connector contamination problems and the requirement for an expensive inline amplifier. The hydrophone and cable entry are completely encapsulated in polyurethane to alleviates water intrusion caused by cathodic action. The assembles uses pre-aged piezoelectric (PZT) sensing elements promoting long term stability.

Applications for the H23 series hydrophones include military surveillance, underwater biological studies, ship noise studies, pump and machinery studies and monitoring of underwater ordnance.



Notes: 1 Test conditions: 11°C fresh water temperature at a depth of 28 ft with 60 ft cable.

<sup>2</sup> Frequency response graphs can be viewed on the next page.

<sup>3</sup> Electronics noise at nominal sensitivity.

<sup>4</sup> Customer may specify non-standard cable length specified at time of order.

Available underwater connector: R24M (Amphenol LTW-Deeptronica DT-HCM-G3RMM-RHA30 [MC3MG])

Available coupling sleeve: CS (MacArtney MCDDWLS)

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

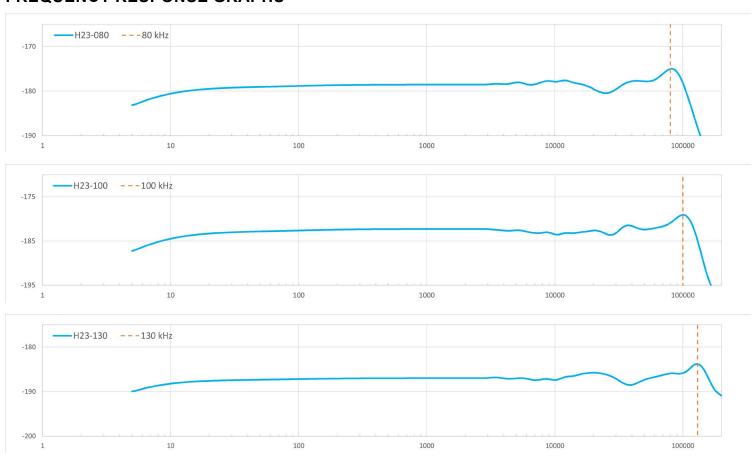


## **Hydrophones**

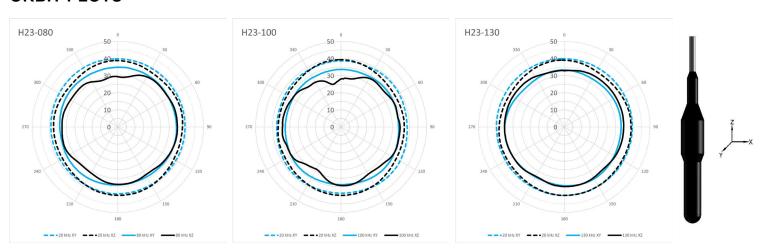
# Wilcoxon SENSING TECHNOLOGIES

## H23 series

### FREQUENCY RESPONSE GRAPHS



#### **ORBIT PLOTS**



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