

Wilcoxon Releases New Generation of Hydrophones

August 6, 2024 — Frederick, MD – Wilcoxon Sensing Technologies, an Amphenol company and a pioneer in underwater sensing, has released the H23 series of next-generation hydrophones. H23 series hydrophones are small, versatile, self-amplified, and shielded for a variety of underwater acoustic measurements. The H23-080, H23-100, and H23-130 model numbers correspond to versions with 80 kHz, 100 kHz, and 130 kHz attenuation of the signal in radial directions.

The rugged, integral cable design of the H23s enables underwater operation down to 680 meters, 2230 feet, or 1000 PSI. The underwater microphones are suitable for Test & Measurement and military uses. Lab and ocean applications include calibration, military surveillance, underwater biological studies, ship noise studies, pump cavitation and machinery studies, and monitoring of underwater ordnance.

H23 hydrophones have a wide, flat frequency response for underwater sound measurements over the frequency range of 5 Hz to 150 kHz. An ultra-low-noise internal amplifier eliminates triboelectric cable noise, connector contamination, and an expensive external amplifier.

For more than 60 years, Wilcoxon has developed industry-leading transducers for demanding naval applications. Formerly known as Wilcoxon Research and founded in 1960 by acoustic physicists from the David Taylor Naval Research Center (now the Naval Surface Warfare Center), the company first commercialized technologies the Navy needed to design, test, and optimize nuclear submarines and other ships. Today, as Wilcoxon Sensing Technologies, the company continues to pioneer underwater sensing and monitoring technologies for the US Navy and allies, as well as research, Test & Measurement, and commercial applications.

To learn more about the H23 series of hydrophones, go to <https://wilcoxon.com/newproducts/h23-next-generation-hydrophones/>, or contact Wilcoxon at info@wilcoxon.com or +1 301 330 8811.