

# Underwater Noise Recorders

The RS-ORCA and RS-HILO underwater noise recorders have been launched by RS Aqua. These multi-channel underwater acoustic data acquisition and processing instruments are RS Aqua products, developed in collaboration with highly experienced marine acoustic engineers in Nova Scotia, Canada, and are fully supported by RS Aqua's renowned technical support hub in the UK.

The RS-ORCA can be used to record the richest underwater datasets possible, with multi-mode capabilities across all five acoustic channels. This enables, for example, simultaneous recording of raw data, ambient noise thresholds and marine mammal detections, in real time. The RS-ORCA can also integrate third-party instruments such as RBR CTDs and Turner Designs C3 multi-optic fluorometers, for ocean observatory applications. The RS-ORCA features an open API so that researchers and consultants can utilise their own acoustic data processing algorithms should they so wish, in addition to the existing library of signal processing algorithms available with the RS-ORCA, enabling spectral analysis, detections, directional signal processing and more. The RS-HILO is a smaller dual channel instrument, with extremely broad dynamic range, ultra-low power for long-term deployments even at 100% duty cycle and an affordable price.

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<https://www.hydro-international.com/content/news/underwater-noise-recorders>

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