

# SoundTrap

## HP2 HF



### Pre-amplified Hydrophone Specification

The **SoundTrap** STHP2-HF Hydrophone is designed for use with SoundTrap multichannel recorders, including models ST640, ST440, and ST4300.

It combines a high-quality spherical sensing element with a carefully designed low-noise preamplifier to deliver excellent acoustic performance across a wide frequency range. A tough titanium housing and durable polyurethane-jacketed cable provide the reliability needed for long-term field deployments in demanding marine environments.

With its wide bandwidth, low noise floor, and rugged design, the STHP2-HF is well suited to a wide range of underwater acoustic applications, including ambient noise monitoring, environmental studies, sound localisation, and high-frequency marine mammal research.



#### Key Features

- Wide bandwidth: 20 Hz - 150 kHz
- Low self-noise: less than 37 dB re 1  $\mu$ Pa above 2 kHz
- Internal pre-amplifier
- Corrosion resistant titanium housing
- Durable Polyurethane jacketed cable
- Omnidirectional response
- Factory calibration certificate (at 250 Hz)
- Compatible with all SoundTrap multichannel recorders

## Specifications

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<b>Bandwidth</b>	Flat from 20 Hz - 150 kHz ( $\pm$ 3dB)
<b>Calibration</b>	Factory calibration certificate (single point 250Hz pistonphone)
<b>Maximum depth</b>	500 meters
<b>Housing</b>	Titanium
<b>Dimensions</b>	20 mm diameter x 160 mm long (excluding cable)
<b>Cable length</b>	3m (extendable to 20m)
<b>Weight</b>	120g in air (excluding cable) 200g in air (including cable)

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