

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 μ Pa above 2 kHz**
- **Internal pre-amplifier**
- **Corrosion resistant titanium housing**
- **Durable Polyurethane jacketed cable**
- **Omnidirectional**
- **Factory calibration certificate (at 250 Hz)**
- **Compatible with all SoundTrap multichannel recorders**

Specifications

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