

Product Data

The HP-A1 Amplifier



Description

The HP-A1 Mixer-amplifier is designed to optimize the performance and normalize the level of an active hydrophone. Incorporating a 12dB/octave band pass filter for noise reduction and power amplifier for monitoring

USES:

- Whale and dolphin research.
- Underwater Film making.
- Dolphin and whale watching boats.
- Multimedia

FEATURES:

- Direct, Line & Microphone outputs
- Band pass filter with bypass
- Headphone & volume control
- Speaker output
- 12-24volt DC

SPECIFICATIONS:

Gain :

0 - 15dB nominal
(Internal trim control)
Factory set for higher gains

Line out:

(15Hz to 30kHz+/- 3dB) at -3dBm

Direct out:

(7Hz to 100kHz +/- 3dB) at 0dBm
(No filtering)

Mic out:

(20Hz to 25kHz +/- 3dB) at -20dB.

Band pass filter:

12dB/oct butterworth
High pass 800Hz*
Low pass 18kHz*
(*can be factory set to your needs)

Power Amplifier:

(20Hz to 20kHz +/-3dB)nominal
1Watt max.

Input impedance:

1k ohm
(Up to 1meg, factory set)

Signal to noise:

> 96dB (A weighted)
(Standard configuration)

Supply voltage:

12 to 24 volts DC

Supply Current:

Idle: 20mA
With power amp driven: 100mA

Operating temperature

0°C to 55°C

Dimensions

W 139mm, H 35mm, D 110mm

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