

A2002. Hydrophone Amplifier with Jupiter Connector and build in batteries.

Single channel balanced Hydrophone Amplifier with 50dB Gain and High and Low pass Filters for sea waves and high frequency anti-aliasing.

Compact "stand alone" unit with build in batteries 2 x 12 volt.

The hydrophone is operated on 24volt giving a maximum of +/-10volt signal output voltage swing. Balanced output signal fits directly into standard recording equipment with XLR connectors.

Large battery power supply offers long operation time. Appr.50 hours maximum.

Expecially designed for the Teledyne-Reson hydrophones types :

TC4014 or TC4032 or TC4042.

Input connector : Balanced 7 poler Jupiter + Calibration BNC input.

Single or balanced input selector switch.

Output connector : XLR balanced output and BNC single.

Water splash proof. Intended for stationary use in rough invironments or for monitoring use in laboratory and research invironments.



A2002. Hydrophone Amplifier with Jupiter Connector and build in batteries.



Technical data. A2002

Gain Control : 0 +10 +20 +30 +40 +50 dB

Highpass Filters : for filtering off low-frequency seawaves.
1Hz / 10 / 100 / 1k / 10k / 100kHz
2.nd order filter 12dB/oct. -6dB @ frequency

Lowpass Filters : anti-aliasing filtering for digital recording
20k / 50k / 100k / 200k / 300k / 900kHz
2.nd order filter 12dB/oct. -6dB @ frequency

Frequency Range : 1Hz to 900kHz @ 20dB gain
1Hz to 500kHz @ 50dB gain

Relative Input Noise : <1uVolt rms @1kHz (A-filter)