

Hydrophone Power Amplifier and Listening amplifier – type : PA1001PC



PA1001PC Power amplifier for passive hydrophones and underwater loudspeakers.

Power amplifier for driving an underwater loudspeaker combined with a high input impedance hydrophone preamplifier for ceramic hydrophones.

This amplifier is a stand alone unit with a power amplifier and a hydrophone receiver amplifier complete with built-in envelope or "click" detector and batteries and charger supplied all together in a watertight suitcase.

PA1001PC Hydrophone Power Amplifier Price. Euro € 2.800,-

This PC version is a PeliCase suitcase version that operates on batteries and it is intended for outdoor use. The same amplifier is also available as a 19 inch rack mounted unit for laboratory use and powered by mains supply.

Hydrophone Power Amplifier and Listening amplifier



Power amplifier for driving passive hydrophones and underwater loudspeakers.

This amplifier is a combination of a power amplifier for driving high frequency sound transmitters combined with a very sensitive high input impedance hydrophone preamplifier for passive or active ceramic hydrophones.

The unit may also be used for driving a set of conventional loudspeaker for listening and audience presentation.

This amplifier is a stand alone unit with a power amplifier and a hydrophone receiver amplifier complete with buildin envelope or "click" detector and batteries and charger supplied all together in a watertight Pelicase 1470 suitcase.

Description PA1001

This amplifier is designed for driving an underwater piezoceramic loudspeaker like the Teledyne-Reson type TC2130 or the Teledyne-Reson TC4033/34 series of passive hydrophones.

It also contains a high input impedance hydrophone amplifier and an envelope or "click" detector for monitoring, recording or listening.

- High impedance preamplifier
- 10mA Loop for hydrophones
- Balanced input
- Input amplifier and Gain selector
- Input SeaWave filter
- Linear input amplifier
- Hydrophone Output signal
- Detector Output signal
- Left and Right Line Inputs
- Source selector
- Output Level Left and Right
- Output Selector
- Power output terminals
- Right channel power output

The Amplifier is capable of driving 50volt peak to peak of signal power up to 300kHz in a capacitive load of 10nF maximum with a characteristic impedance of 100ohm. The amplifier is supplied in a watertight suitcase with 4pcs.12volt batteries. Operating time is appr.12hours on a set of fully charged batteries.