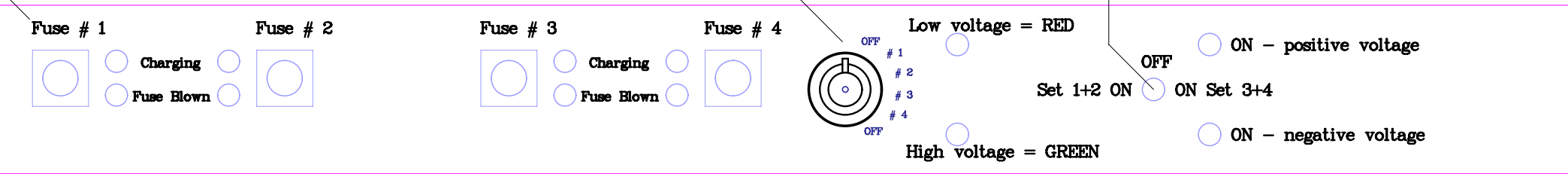


Fuses to be accessed on the bottom of the case – Lamp shows if the fuse is blown  
 Fuse type 5x20mm Glass – 3 to 6Amp slow blow.  
 The charger lamps will go out when the batteries are fully charged.  
 Charging time is "over night" 10 hours.  
 Operation time is expected to be 8 hours with all channels active  
 Each channel will consume 0.05Amp when swithed on.

Battery tester :  
 to be used only for testing  
 Batteries are loaded with a  
 current to check the charge.  
 Do not leave the tester on.  
 That will discharge the battery.

Main switch ON/OFF – Disconnecting all power  
 You may leave the individual channels as the are  
 The amplifier is designed to operate on relatively  
 flat batteries or even only a single 12 volt battery.  
 The centerpoint on the voltage supply is floating  
 and generated internally in each channel.



### Battery Test Panel – on the rear of the front panel

High and Low-pass filters used together forms a Band-pass filter / 2nd. or 4th. order filters

High-pass filter 1+2 used together to form a 4th order filter  
 Place filter 2 in (off) position if you want a 2nd order filter

Low-pass filter 1+2 used together form a 4th order filter  
 Place filter 2 in (off) position if you want a 2nd order filter

High-pass filter 1  
 Lower frequency limit  
 Used to filter off seawaves.  
 2nd.order filter: Frequency -12dB

High-pass filter 2  
 Lower frequency limit  
 Used to filter off seawaves.  
 2nd.order filter: Frequency -12dB

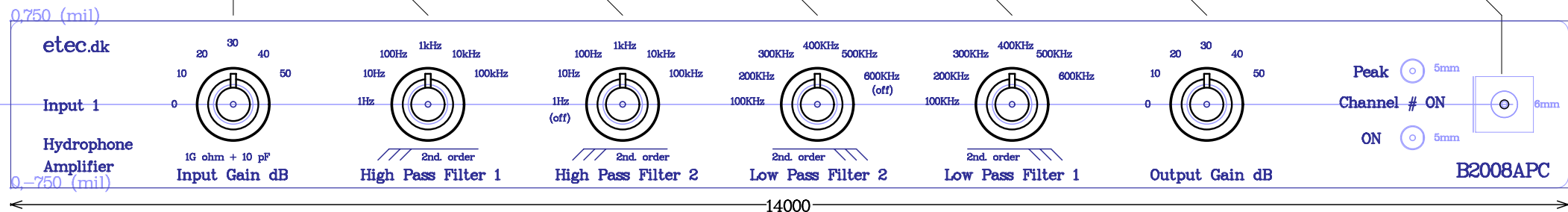
Low-pass filter 2  
 High frequency limit  
 Used as antialiasing filter  
 2nd.order filter: Frequency -12dB

Low-pass filter 1  
 High frequency limit  
 Used as antialiasing filter  
 2nd.order filter: Frequency -12dB

Each channel may be switched ON/OFF individually.  
 Current consumption is 50mAmp. pr. channel in use.  
 No current is consumed when switched to OFF position.  
 Batteries contains 3400Amp/hours in total giving more than  
 8 hours of operationtime pr. recharging with all channels in use.  
 Rechargingtime is 10 hours with the supplied charger.  
 Batteries may be charged with or without the amplifiers in use.  
 Noise will however be generated when the battery charger is running  
 Remember to switch OFF on the main switch when not in use

Input amplifier gain.  
 Use input gain as first priority.  
 Rel. input noise is 1uVolt at 1kHz  
 For best noise performance a minimum of  
 10dB input gain is recommended

Output amplifier gain.  
 Used to add extra gain if necessary  
 Frequency range of the amplifier is equal  
 to the settings of the hi- and low- filters.



User instructions and technical data for the etec B2008PC – multi channel Hydrophone amplifier in PeliCase no.1550

File : etec – B2008AQ Guide.PCB – 2013–01–12

Hydrophone Amplifier for Piezo ceramic sensors 100P to 10nF

B2008AQ Guide.PCB