Input Resistance
Used to form a high-pass filter directly on the input terminals together with the Transducer capacitance TrCap cut-off freq. $= 1 / (2 \times \pi \times R_{inp} \times C_{inp})$

Input Capacitance
Used to form an input attenuator in order to handle very heavy input signals. The attenuation is made up between the transducer capacitance and the input capacitance $\text{Atten.} = \frac{\text{TrCap}}{C_{inp}}$

High Pass Filter
for filtering out low-freq. seaways. 2nd order filter 12dB/oct. $-3\text{dB} @$ frequency

Low Pass Filter
for anti-aliasing filtering 2nd order filter 12dB/oct. $-3\text{dB} @$ frequency

Output Gain dB
Linear amplifier 1Hz to 1MHz. The output is buffered and will drive max. 500mets. of cable. The output signal is available on Out+ Compensation wire on Out− carries no signal. The signals Out+ and Out− forming a balanced output.

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B2001 Operators quick guide

Hydrophone Charge Amplifier with Hi-pass and Low-pass filters

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