

### 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 attenuuator in order to handle very heavy input signals The attenuation is made up between the transducer capacitance and the input capacitance  $Atten. = TrCap / C_{inp}$

### High Pass Filter

for filtering out low-freq. seawaves. 2.nd order filter 12dB/oct. -3dB @ frequency

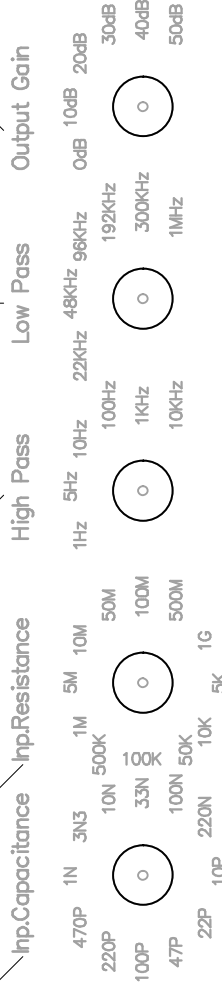
### Low Pass Filter

for anti-aliasing filtering 2.nd order filter 12dB/oct. -3dB @ frequency

### Output Gain dB

Linear amplifier 1Hz to 1MHz The output is buffered and will drive max. 500met. Compensation wire on Out- / carries no signal The signals Out+ and Out- forming a balanced output

etec  
B2001B



Fingerscrews made of Marine Bronze. Resistant to seawater.

## B2001 Operators quick guide

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

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