



Vibraquipo

Vibracord SC-18

- 1 Charge input
- 1 IEPE input (Integrated Electronic Piezo-Electric)
- 1 Voltage input
- Low pass filters
- High pass filters
- Gain select
- Internal battery (optional)



Vibraquipo, S.L.U.
C/ Gaiteiro de Soutelo, 3 Bajo
36004 Pontevedra (Spain)
Phone: (+34) 670 68 84 72
www.vibraquipo.com
vibraquipo@vibraquipo.com

Signal conditioner

Vibracord



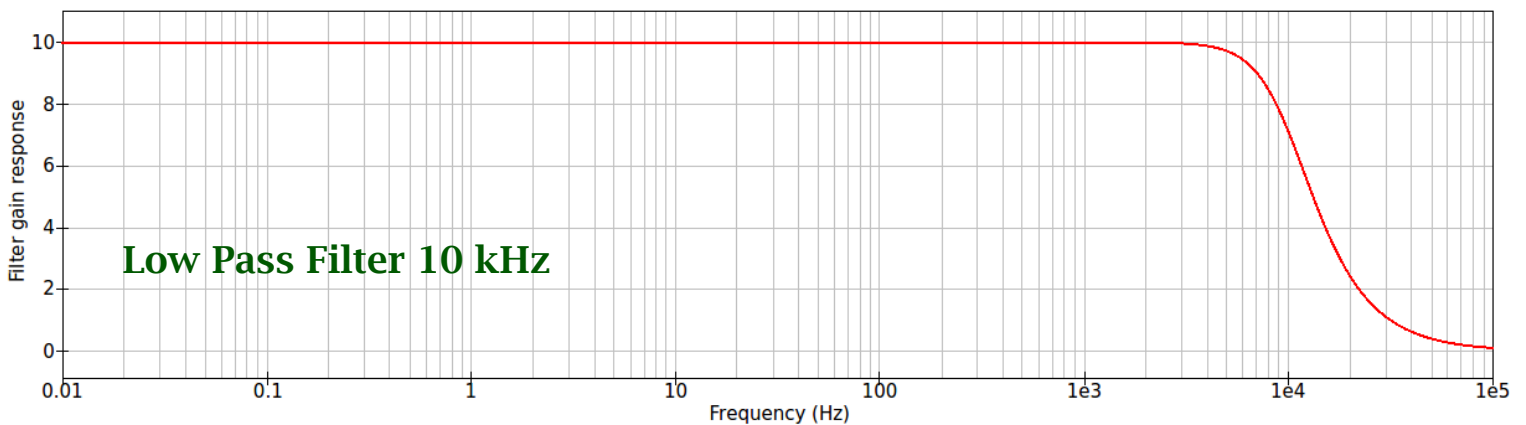
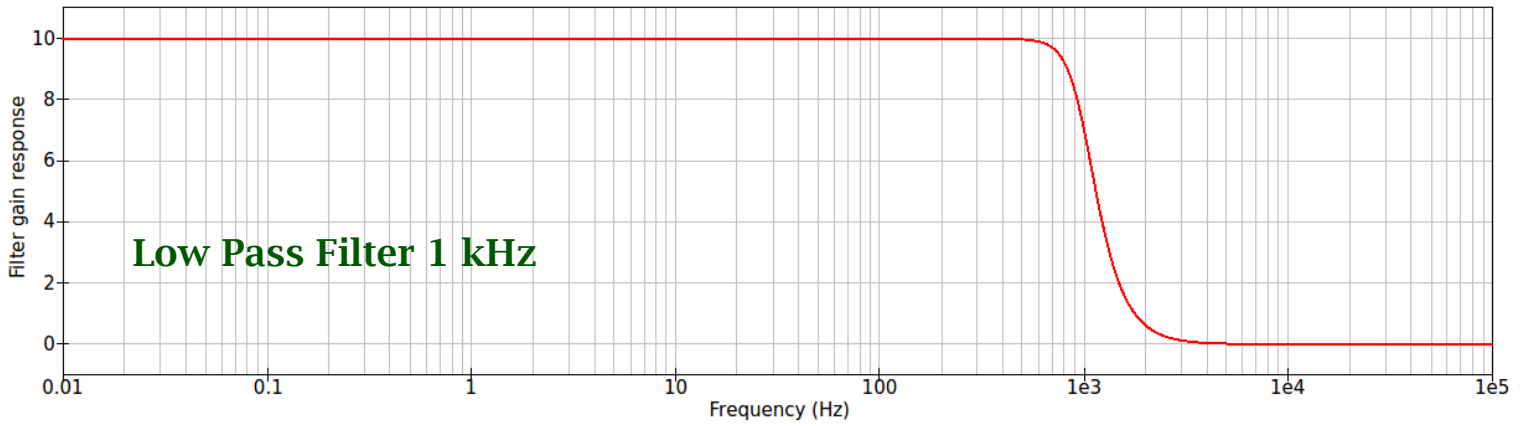
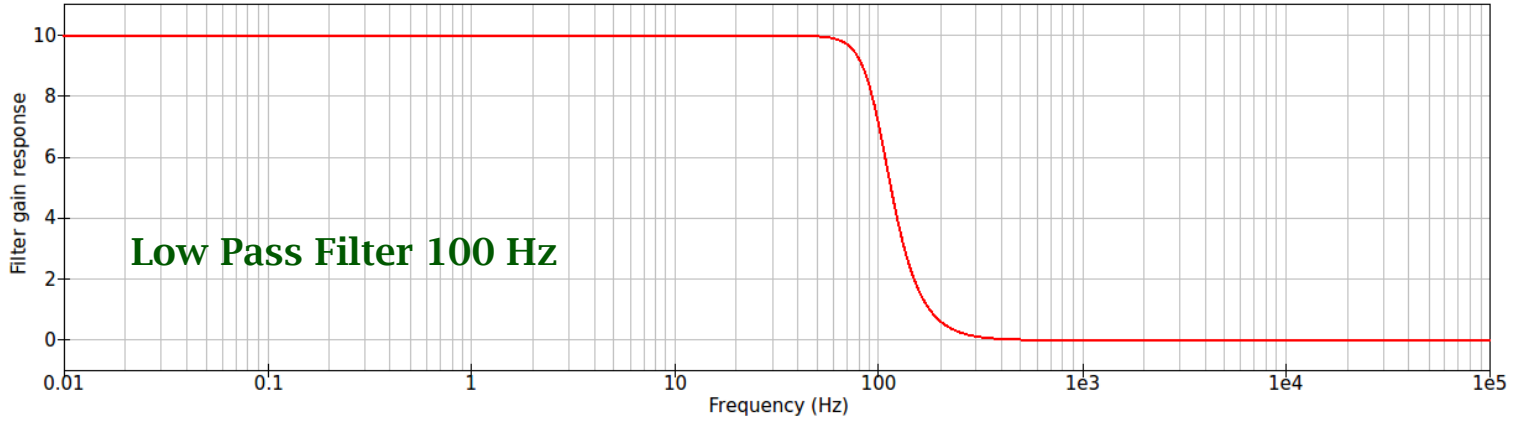
Vibracord SC-18

Technical specifications

Specifications	Value
Input type	IEPE, Charge, Voltage
Charge input response (Gain selector = x1)	1 mV/pC
IEPE sensor drive current adjustment range	2 - 20 mA
IEPE decoupling capacitor	10 μ F
IEPE pull down resistor	1 M Ω
IEPE coupling time	10 seconds
Output range (all inputs)	\pm 10 V
Gain, user selectable (all inputs)	x1, x10, x100
Frequency response (Bandwidth -3dB)	G = 1: 1 MHz G = 10: 750 kHz G = 100: 250 kHz
Gain error	G = 1: <0.02 % G = 10: < 0.05 % G = 100: < 0.2 %
Low pass filter, user selectable (all inputs)	100 Hz, 1 kHz, 10 kHz, 50 kHz, Off
High pass filter, user selectable (all inputs)	Off, 0.1 Hz, 3 Hz
Background electrical noise (full bandwidth)	300 μ V RMS
Sensor connector (all inputs)	BNC
Output connector	BNC
Power supply	6 - 9 V DC
Dimensions	140x160x40 mm
Weight	575 g

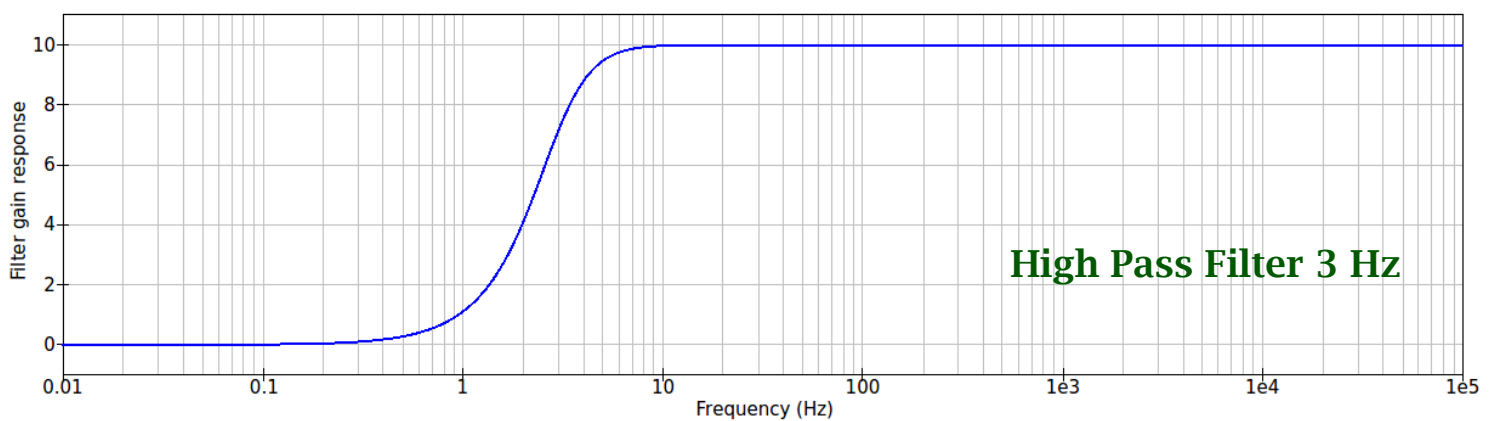
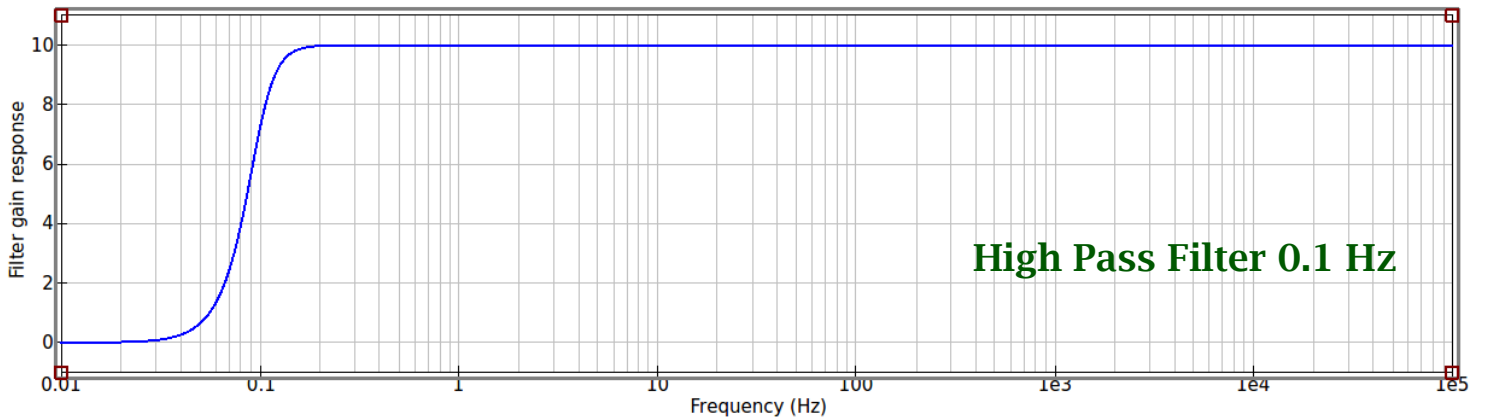
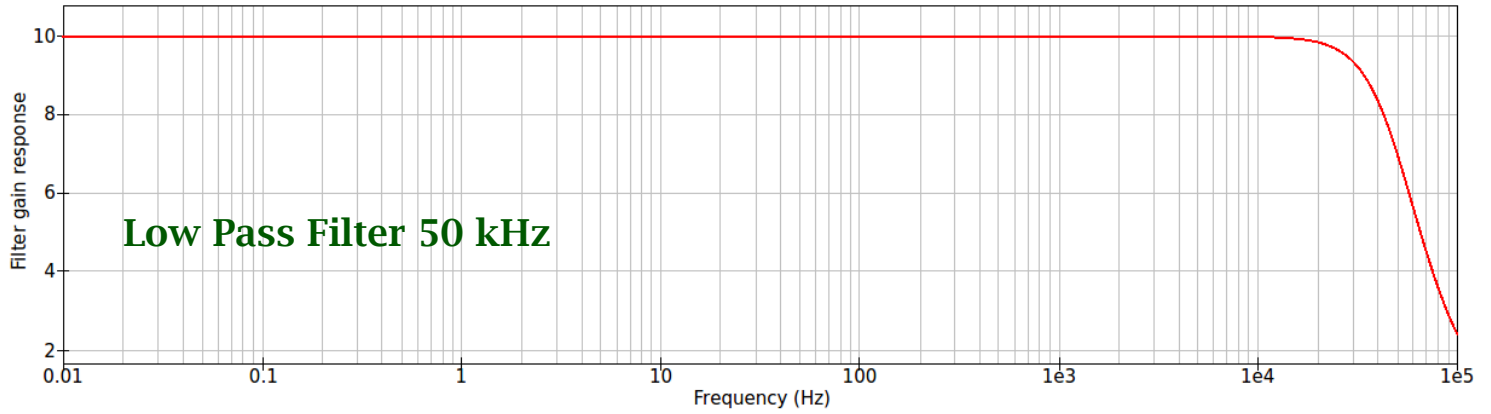
Vibracord SC-18

Filters response



Vibracord SC-18

Filters response



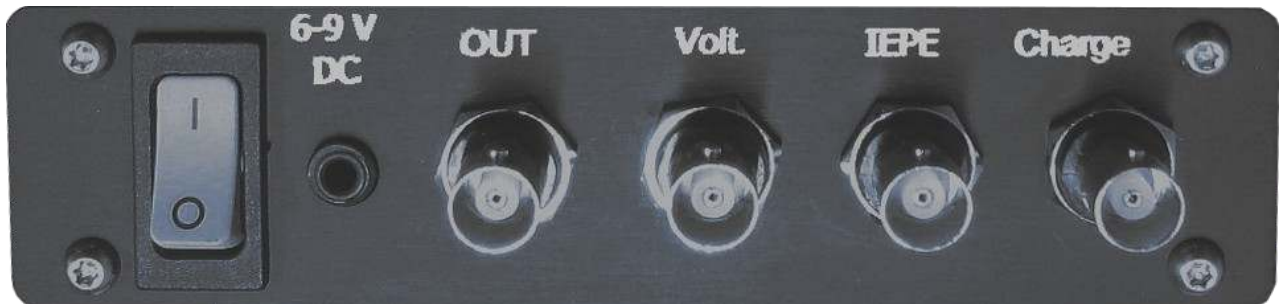
Vibracord SC-18

Back panel

External power
Supply connector
Internal Li-Ion
Battery optional

Output
BNC plug

3 different inputs
Voltage, IEPE or charge
BNC plugs



Front panel

Input selector
switch

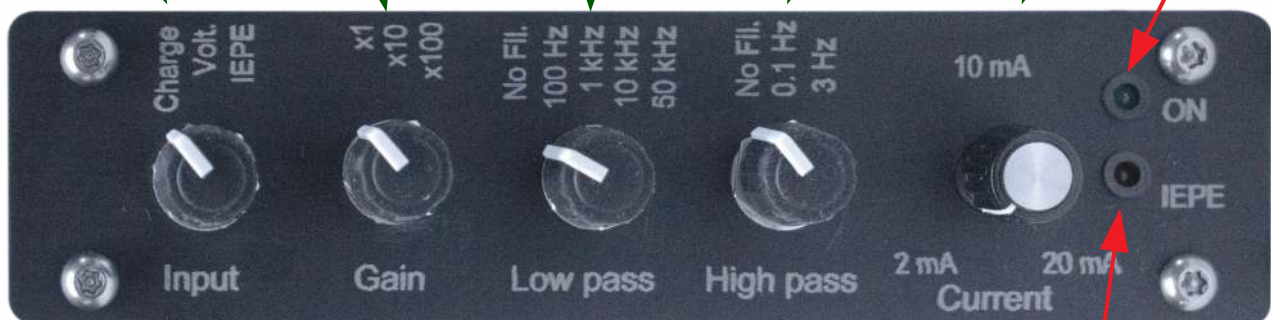
Gain selector
switch

Low pass
filter
switch

High pass
filter
switch

IEPE current
regulator

ON
LED



IEPE
Status LED