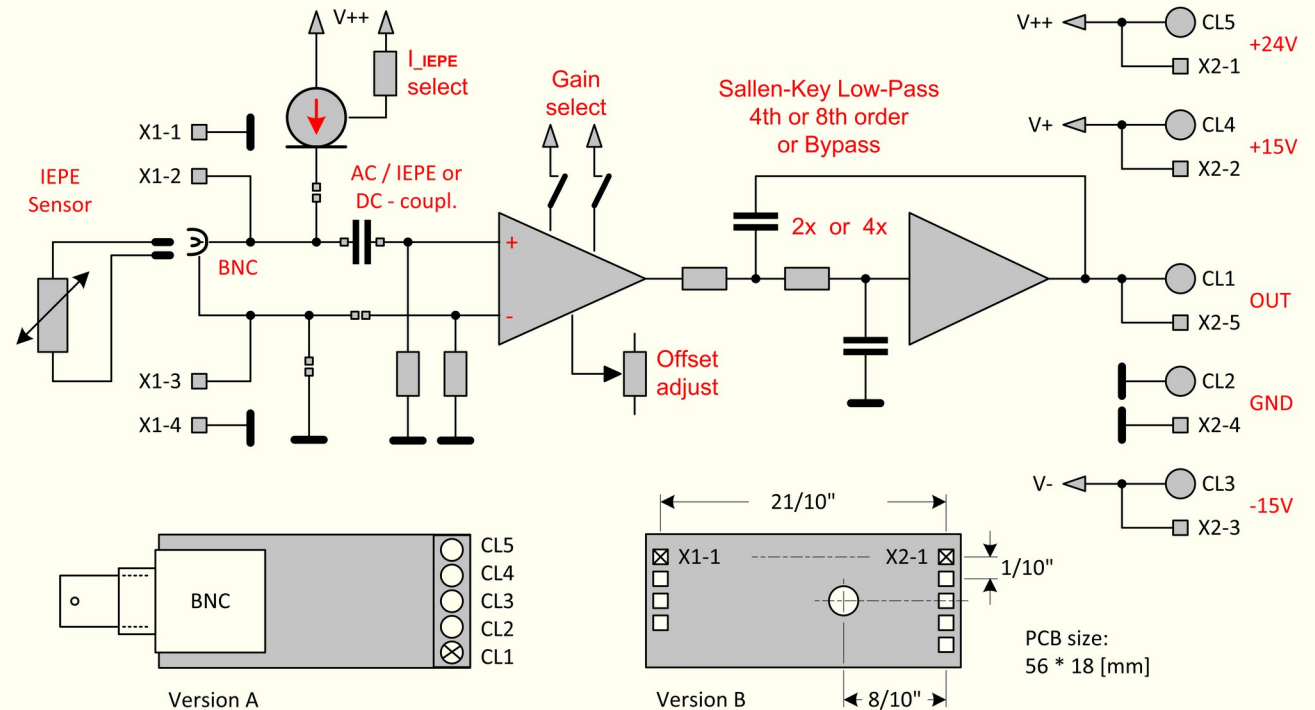


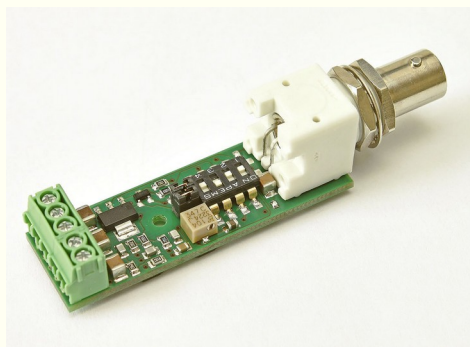
Create your own **IEPE** transducer measuring device using our versatile signal conditioning front end **IPE-FM3** – special feature: **Active Filters**

DC / AC or IEPE measuring amplifier plus 4th / 8th order low-pass filters

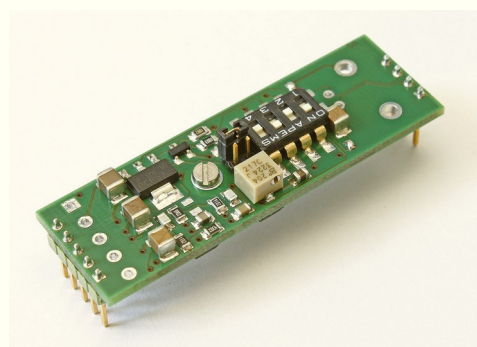
- Measuring amplifier for general applications
- Signal conditioner for any IEPE sensor
- Applications: vibration, acceleration, strain and materials testing, general DC / AC amplification
- I_{IEPE} excitation: select. constant current 2 - 4 - 6 - 8 mA $\pm 5\%$ (-10...70°C)
- AC bandwidth: 0.5 Hz to 25 kHz (-3 dB)
- DC/AC gain: 1 to 1000 (gain > 10 not recommended for AC / IEPE)
Gain steps 1-2-5-10 and 1-10-100
- DC offset: adjustable (recomm. gain > 1)
- Low-pass filters: ($F_{cut-off}$ 500 Hz to 10 kHz) config.
 - no filters
 - 4th order Butterworth or Bessel
 - 8th order Butterworth or Bessel
- AC input/output signal range
 - @ $V_{Supply} \pm 12$ VDC: $V_{Signal_IN-OUT} \geq 0$ to ± 8 V
 - @ $V_{Supply} \pm 15$ VDC: $V_{Signal_IN-OUT} \geq 0$ to ± 10 V



Please note - Power supply: +12 to +15 VDC **and** -12 to -15 VDC **and** +24 to +30 VDC



Version A - designed for front panel mounting



Version B - designed for main board mounting

Features

- versatile DC / AC / IEPE front end & active filters
- gain and I_{IEPE} selectable by switches / jumpers
- mount on front panel (Version A), or simply plug it into main board (Version B)
- customer specific config. of the input-amps and the I_{IEPE} excitation
- customer specific config. of the active filters - characteristics and cut-off frequency