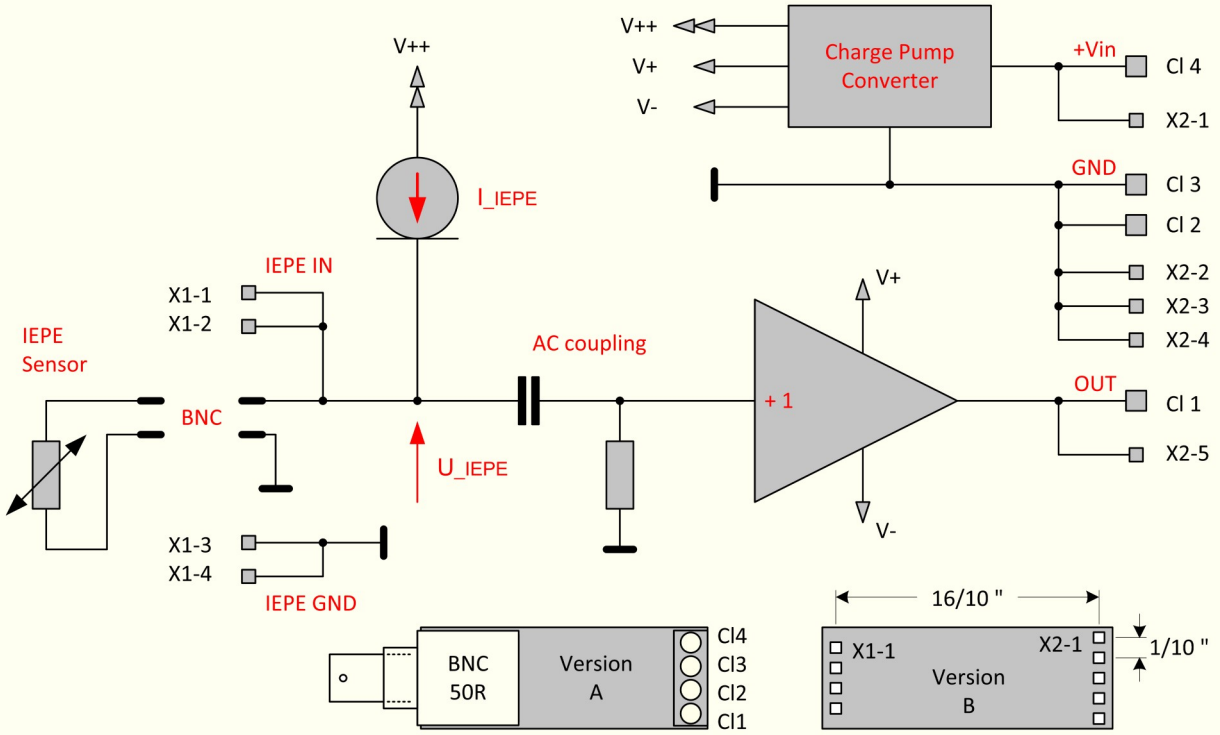
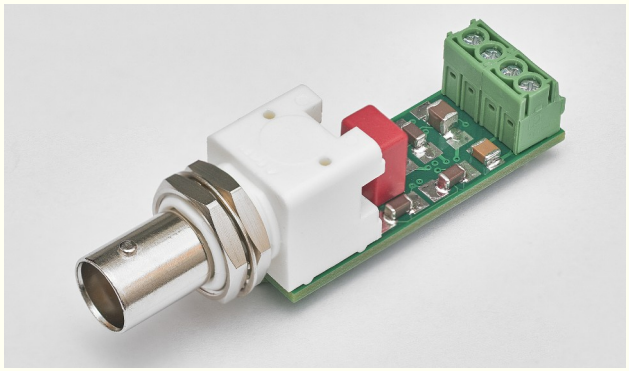
Create your own IEPE transducer measuring device using our signal conditioning OEM modules IPE-FM1

EIGNER MESSTECHNIK

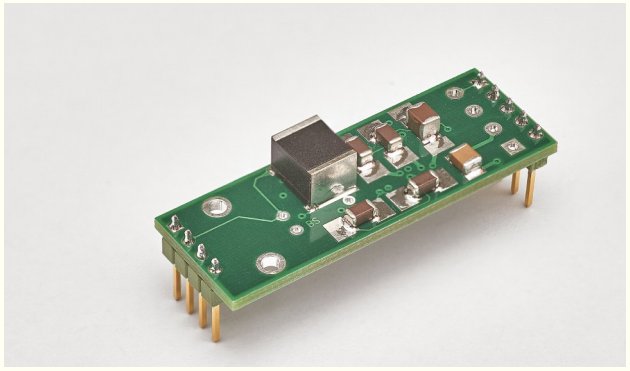
Single-channel IEPE amplifier

- Signal conditioner for any other smart IEPE sensors
- Applications:
  vibration, acceleration, sonic and acoustic noise measurement, strain and materials testing
- I_IEPE excitation: constant current 4 mA ± 5 % (-10 to 70°C)
- V_IEPE excitation (approx. Vin*2 - 3 V)
  @ Vin = 12 VDC: ≥ 20 V
  @ Vin = 15 VDC: ≥ 26 V
- AC bandwith: 1 Hz to 25 kHz (-3 dB)
- DC/AC gain: + 1
- DC offset (OUT): 0 ±3 mV (-10 to +70°C)
- AC input/output signal range
  @ Vin = 12 VDC: ≥ 0 to ±8 V
  @ Vin = 15 VDC: ≥ 0 to ±10 V
- 12 to 15 VDC power supply < 0.25 W





Version A - suitable for front panel mounting



Version B - suitable for main board mounting

Features

- designed for best AC and DC performance
- easy to handle - no setting up, no adjustment
- easy to power - single supply 12 to 15 VDC
- easy to connect - screw clamp (type A)
- mount on front panel (type A),
  or simply plug it into main board (version B)
- compact size PCB 43*15mm^2 (4-layer design)