

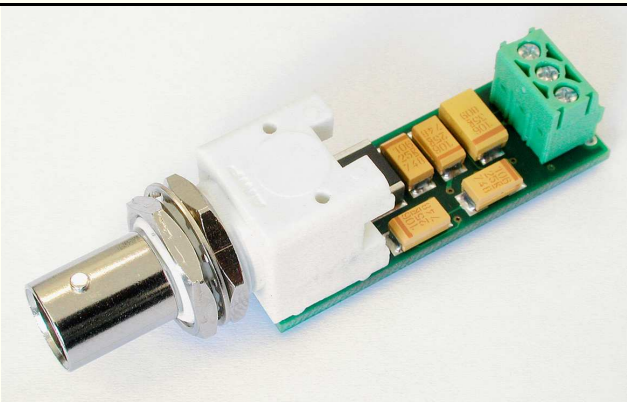
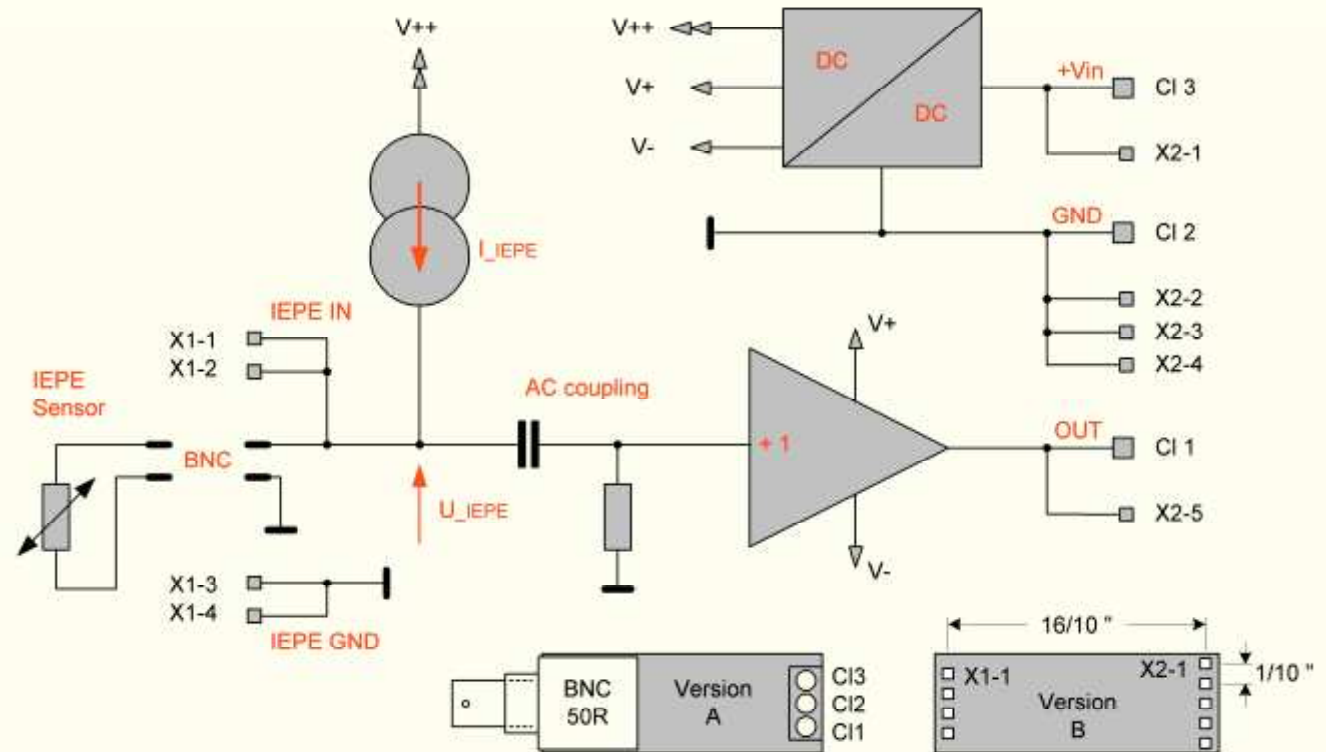
Create your own **IEPE** (ICP™) transducer measuring device using our signal conditioning modules **ICP-FM1**

analog design

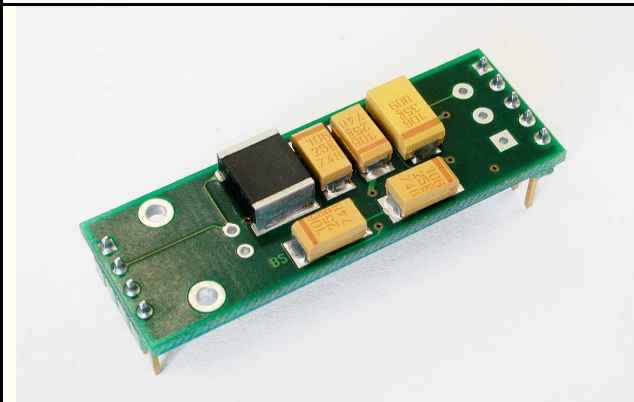
by EIGNER MESSTECHNIK®

Single-channel IEPE (ICP™) amplifier

- Signal conditioner for the well-known ICP™ or 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...+70°C)
- V_{IEPE} excitation (approx. $V_{in} \cdot 2 - 3V$)
@ $V_{in} = 12V$: > 20V
@ $V_{in} = 15V$: > 26V
- AC bandwidth: 1Hz...20kHz (-3dB) **new!**
- DC/AC gain: + 1
- DC offset (OUT): < 5mV (-10...+70°C)
- AC input/output signal range
@ $V_{in} = 12V$: > 0...+/- 8V
@ $V_{in} = 15V$: > 0...+/- 10V
- 12...15V DC power supply < 0.25W



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 12V..15V
- easy to connect - screw clamp (version A)
- compact size PCB 43*15mm² (4-layer design)
- optimal cost-benefit ratio

www.analogdesign.de www.eigner-messtechnik.de

ICP™ trademark of PCB Group Inc.

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