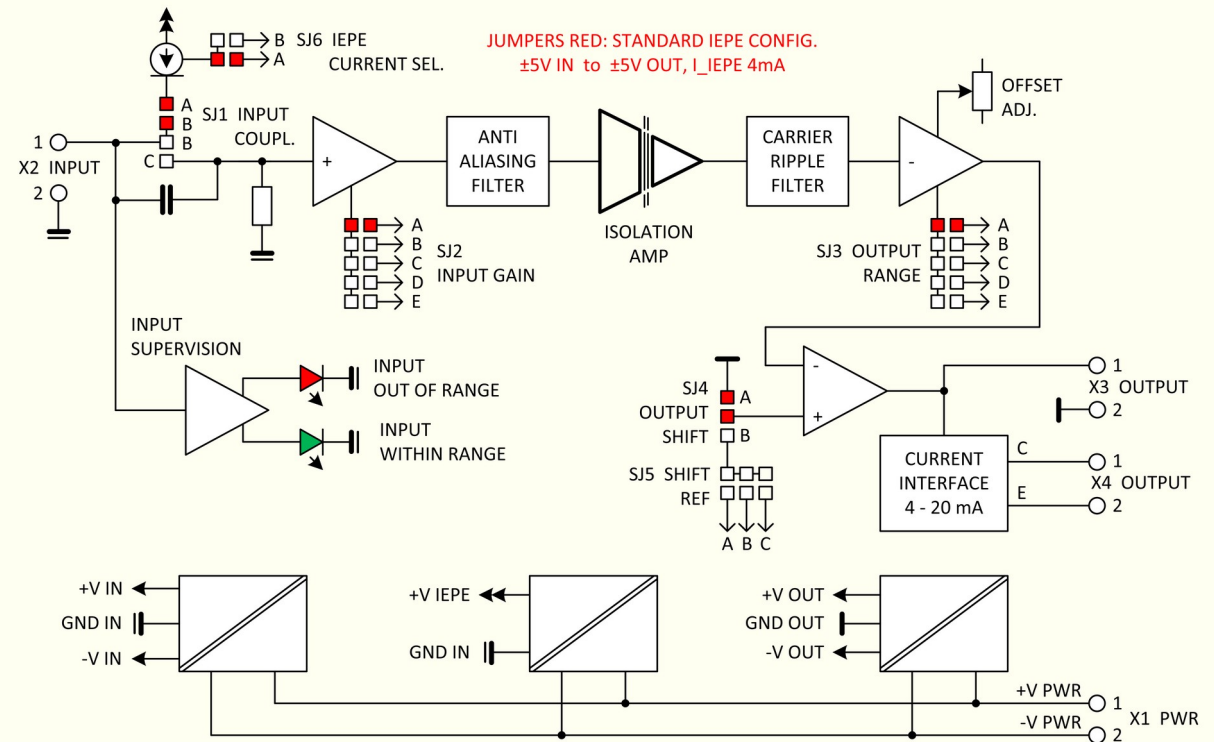


PRECISION LINEAR ISOLATION AMPLIFIER IPE-ISO1

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Triple galvanic power isolation between signal input – signal output – system power

- Wide input power supply: 9 to 36 VDC
- Three input couplings: IEPE - AC - DC
- Several input signal range configs:
 $\pm 10\text{ V}$ ($G = 1$), $\pm 5\text{ V}$ ($G = 1$ or 2),
 $\pm 2.5\text{ V}$ ($G = 4$), $\pm 2\text{ V}$ ($G = 5$), $\pm 1\text{ V}$ ($G = 10$)
- Several output signal range configs:
 0 to $\pm 10\text{ V}$, 0 to $\pm 5\text{ V}$, 0 to $+10\text{ V}$ (offset: 5 V),
 0 to $+5\text{ V}$ (offset: 2.5 V), 0 to $+3.3\text{ V}$ (offset: 1.65 V)
and 4 to 20 mA (offset 12 mA)
- Bandwidth DC: 0 to 30 kHz (-3dB)
Bandwidth IEPE / AC: 0.5 Hz to 30 kHz (-3dB)
- 4 IEPE excitation current configs: $2 - 4 - 6 - 8\text{ [mA]}$
- Anti-aliasing filter Butterworth 4 or 8th order:
standard 30 kHz (bandwidth limiting for ISO-AMP) or
lower cut-off frequency according to customer req.
- Output offset adjustable by user after new setup
- Signal supervision: LED (red) signal out of range
LED (green) signal within range
- Installation of the board in DIN rail housing or in
extruded aluminium profile housing.



www.eigner-messtechnik.de

info@eigner-messtechnik.de

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