PRECISION LINEAR ISOLATION AMPLIFIER IPE-ISO1

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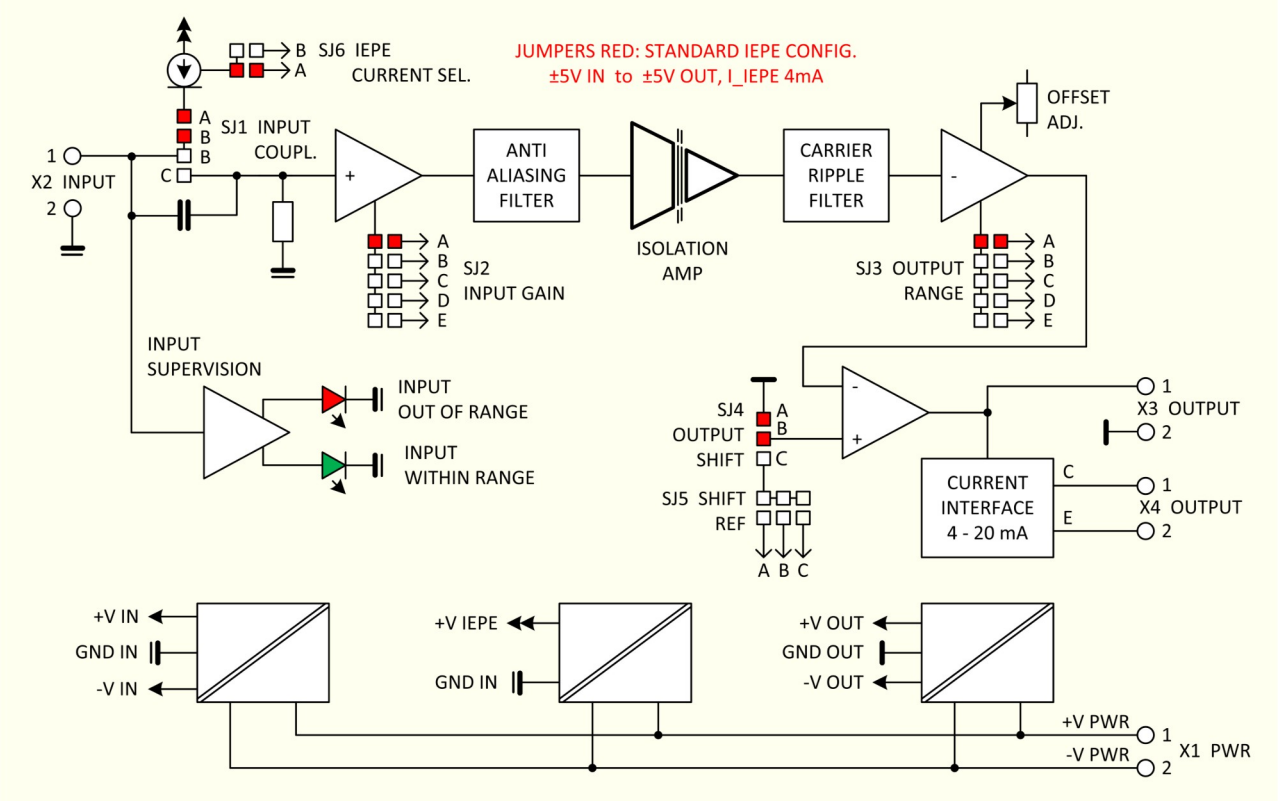
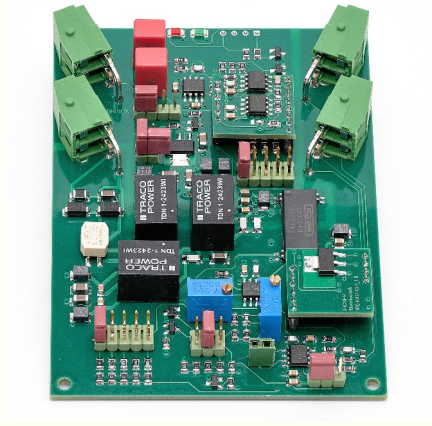
Triple galvanic power isolation between signal input – signal output – system power

- Wide input power suply: 9 to 36 VDC
- Three input couplings: IEPE - AC - DC
- Several input signal range configs:
  ±10 V (G = 1), ±5 V (G = 1 or 2),
  ±2.5 V (G = 4), ±2 V (G = 5), ±1 V (G = 10)
- Several output signal range configs:
  0 to ± 10 V, 0 to ± 5 V, 0 to +10 V (offset: 5 V),
  0 to +5 V (offset: 2.5 V), 0 to +3.3 V (offset: 1.65 V)
  and 4 to 20 mA (offset 12 mA)
- Bandwith DC: 0 to 30 kHz (-3dB)
  Bandwith IEPE / AC: 0.5 Hz to 30 kHz (-3dB)
- 4 IEPE excitation current configs: 2 - 4 - 6 - 8 [mA]
- Anti-aliasing filter Butterworth 4 or 8th order:
  standard 30kHz (bandwith limitting 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.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