

FE-961-IA Isolation Amplifier

The FE-961-IA is a high voltage isolation amplifier for front end use when hazardous inputs must be measured.

The amplifier comprises a low noise, low drift input stage with differential characteristics, a high performance isolation stage and a filter with buffered voltage output.

Continuous voltage isolation is up to 1500 V RMS or 2.1 kV DC*.

There are 9 input ranges with a maximum of 2500V pk (1800V RMS sinewave).

The amplifier is exceptionally easy to use and is fully protected on all ranges to 3kV DC or RMS continuous, and up to 5kV pk (1s).

Maximum Bandwidth is 200kHz.

Front panel controls can be disabled and this module also provides an option for remote control.

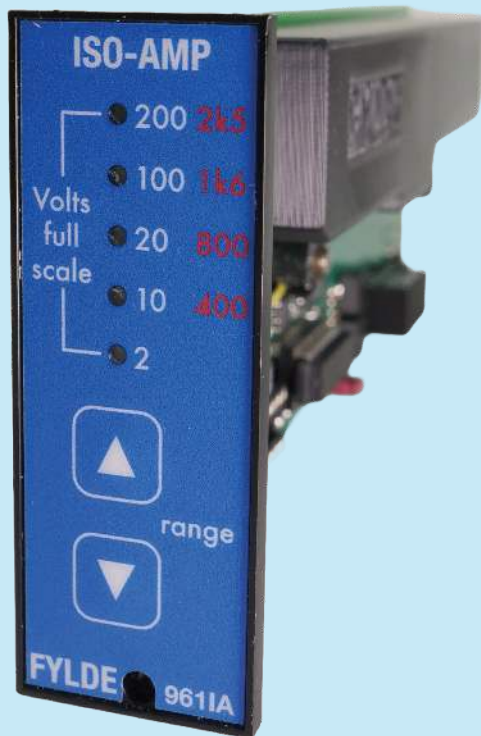
Applications include power line monitoring including high side current shunts, ground loop elimination and as a protected front end for data acquisition systems recorders and oscilloscopes.

The module may be housed in the "PE" range of enclosures:-

FE-PE2 for 1,
FE-PE4 for 3,
FE-PE8 for 8,
FE-PE17 for a maximum of 16 amplifiers.

Power source is 9-36V DC. Optional mains power supply 100-240VAC external to the enclosure

* May be limited by input connector choice.



Power Line Monitoring

Ground Loop Elimination

Current Shunt Measurements

Data Acquisition or Oscilloscope front end