

Applications:

Very high current sensing on Bus Bars and /or Flat conductors

Operation:

Output voltage can be measured between A-OUT1 and CO-OUT1 for a differential output or between A-OUT1 and GND for single ended output. Current in the direction shown, will produce a positive going output. Current in the opposite direction will produce a negative going output. AC current will produce an AC analog output. The output sensitivity, level (mV/amp) depends on the width and thickness of the bus bar. Some examples of sensitivities are listed below: Supply voltage, VDD, and output are protected with 5.6 volt zeners

Width x Thickness (mm)	AN_109KIT Sensitivity	Full scale Current (amps)
15 x 6	≈ 7.2 mV/amp	330
20 x 4	≈ 6.4 mV/amp	375
30 x 6	≈ 4.8 mV/amp	500
40 x 4	≈ 3.9 mV/amp	615

