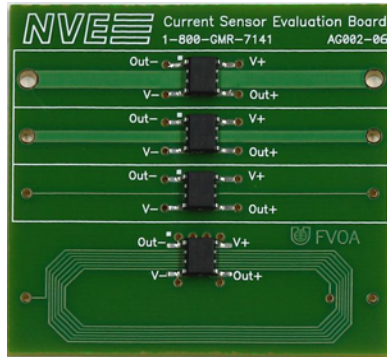


Current Sensor Evaluation Kit



AG900-01D

The kit consists of four NVE AA003-02E current sensors assembled on a printed circuit board (AG002-01). The AA003-02E has medium sensitivity, and other AA-Series sensors can be used for more or less sensitivity in this application.

The PCB in this kit has four trace geometries for various PCB current ranges. Details are as follows:

Trace #	Trace Width (inches)	Maximum Trace Input Current (A) ¹	Nominal Sensitivity ([mV/V] _{out} /A _{in})
1	0.090	±9.0	3.5
2	0.060	±6.0	3.7
3	0.010	±0.25	4.0
4	7 x 0.010	±0.25	20.0

Notes:

1. The maximum current is based on the rated current carrying capability of each trace geometry.
2. The minimum current the assembly can sense depends on many system parameters and must be determined by the user.
3. See www.nve.com for AA003-02 current sensor specifications.
4. See NVE's Sensor Application Notes, Appendix APP 003, "GMR Current Sensing" for additional technical details.
5. The AG003-01 assembly can be separated into four subassemblies. All connections to each input trace and current sensor are isolated on each subsection.

AG900-01D