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Document Updates
Analog Sensor Datasheet: AAL-Series sensor bandwidth increased to 500 kHz
ADL-Series Nanopower digital sensor datasheet even lower power consumption specifications.

Sales Growth
NVE reported more than 10% product sales growth for the most recent quarter.
Details >

"Spin" Back
Daylight Saving Time ends Sunday, November 4. "Spin" your clocks back an hour.

Holidays
NVE will be open on Veterans' Day Observed (Monday, November 12).
We will be closed Thursday and Friday, November 22 and 23 for the Thanksgiving holiday.

Over-Trace High Current Sensing

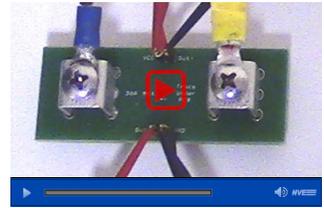
A new demo board can measure up to 40 amps through a circuit board trace using a noncontact GMR sensor.

The sensors detect the magnetic field generated by the current through a heavy-duty trace.

The board measures 2.5 by 2.75 inches (64 by 70 mm). The three modules are optimized to measure currents of 0 to 1 amp, 0 to 5 amps, and 0 to 40 amps. Each module has its own screw connections and the modules can be snapped apart.

Unlike conventional current shunts, over-trace current sensing has no insertion losses, and GMR sensors have large signals and inherent electrical isolation.

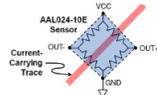
Here's a live demonstration of the board:



Download the Eval Kit Manual >

Ultra-fast Magnetometers

NVE's groundbreaking AAL-Series GMR analog magnetic sensors are now five times as fast. An new fabrication process increased the sensor bandwidth from an already darn fast 100 kHz to a ridiculously fast 500 kHz.



AAL-Series sensors are ideal for current sensing, and the new parts allow lightning-fast overcurrent protection and high-frequency sensing in state-of-the-art power conversion and motor control applications.

- Key AAL-Series features include:
• Wheatstone bridge analog output
• 500 kHz frequency bandwidth
• Up to 3.6 mV/V/Oe sensitivity
• Omnipolar for AC or DC measurements
• <2% hysteresis
• Ultraminiature 2.5 mm x 2.5 mm x 0.8 mm TDFN6 available

Download the Datasheet >

Buy Online \$3.95 shipping

Recent Exhibition

sensors MIDWEST NVE had an incredibly popular booth at Sensors Midwest in Rosemont, Ill., as visitors crowded to see our demonstrations of our new smart sensors and other products.



If you missed the show, you can see some of our demonstrations here.

Upcoming Exhibitions

NVE distributor K.K. ROCKY will be exhibiting sensors and isolators at Embedded Technology & IoT Technology, November 14 to 16, booth B-49, Yokohama, Japan.

electronica NVE distributor Pawatron will be showing sensors at electronica in Munich, Germany, November 14 and 15 in Hall C5, Booth 146.

