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New YouTube Videos

- [Over-Trace High Current Sensing](#)
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Document Updates

- [Analog Sensor Datasheet](#): AAL-Series sensor bandwidth increased to 500 kHz (see story at right).
- [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

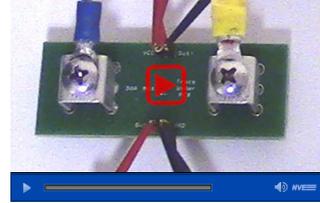
A new demo board can measure up to 40 amps through a circuit board trace using a noncontact GMR sensor.

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:

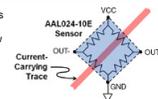


[Download the Eval Kit Manual >](#)

Buy Online
\$3.95 shipping

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.

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

