

**In This Issue**

[Ultraminiature TMR Magnetometer](#)

[Recent Tradeshow](#)

**Quick Links**

[Sensor Selector Guide](#)

[Isolator Selector Guide](#)

[Online Store](#)

[Contact Us](#)

[Twitter](#)

[YouTube](#)

**New on YouTube**

[Sensor Converge 2022 Demos](#)

[Intrinsically-Safe Isolators](#)

[Pitch Pipe Organ with a Smart Angle Sensor](#)

[A Pneumatic Harmonica Player](#)

[Introducing the ACT001 Inline Current Sensor](#)

**New Catalogs**



Our popular sensor and isolator short-form catalogs have been updated to include a number of new products.



Each catalog is eight pages chock-full of essential information.

[Sensor Catalog »](#)

[Isolator Catalog »](#)

**1.1 x 1.1 mm TMR Magnetometer**

The new ALT025-14E is a ridiculously small 1.1 x 1.1 mm DFN version of our popular 2.5 x 2.5 mm ALT02x-10E analog TMR magnetometers.



An ultraminiature 1.1 x 1.1 mm package

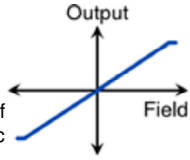
**Revolutionary TMR Technology**

ALT02x-Series sensors use NVE's unique Tunneling Magnetoresistance (TMR) technology to provide small size, high sensitivity, a wide linear range, and low power.

The new ALT025-14E boasts 20 mV/V/mT typical sensitivity, and the high-sensitivity ALT023 provides a remarkable 200 mV/V/mT.

**Bipolar Output**

The differential bridge output is bipolar, meaning it is positive for a positive field and negative for an opposite field polarity. This allows detection of the polarity as well as the magnitude of magnetic fields.



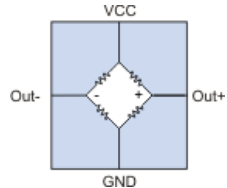
A bipolar transfer function

**ALT02x Specifications**

- ±1 mT (ALT023) and ±10 mT (ALT025) versions
- 2.5 x 2.5 mm or 1.1 x 1.1 mm package versions
- High sensitivity (up to 200 mV/V/mT)
- 20 kilohm device resistance for low power
- -40 to 125 °C operating range

**Applications**

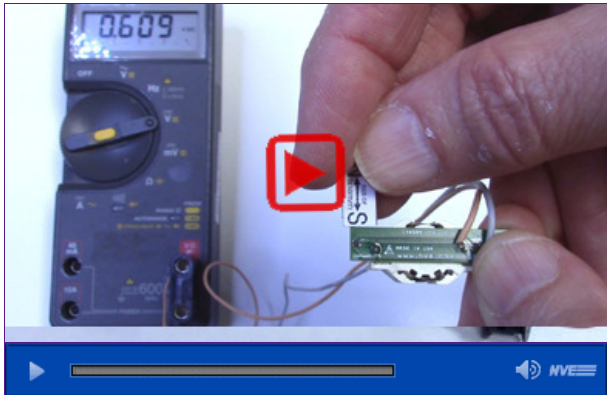
Applications for these versatile sensors include motion, speed, and position control; ferromagnetic material detection; and noncontact current sensing switches.



A differential bridge output

**Demonstration**

Here's a demonstration of the remarkable new ALT025-14E sensor:



**Available Now**

The new ALT025-14E DFN4 version is priced the same as the ALT025-10E DFN6 version. All ALT02x parts are in stock for immediate delivery.

**Buy Online**  
\$9.95 shipping

[Download the Datasheet »](#)

**Recent Tradeshow**



Thanks to everyone who visited us at two shows in late June, **Embedded World** in Germany and **Sensors Converge** in San Jose.

You can see our Sensors Converge demos [here](#).