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**Certification Updates**

NVE has been re-certified as an isolator "Überwachte Fertigungstätte" (approved Manufacturing Site) under rigorous VDE standards.

[VDE Site Certificate »](#)  
[VDE Basic Isolation »](#)  
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**Holidays**

NVE will be closed Monday, December 26 and Monday, January 2.

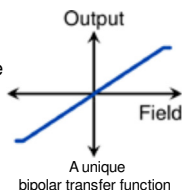


**The World's Most Sensitive Magnetometer IC**

NVE has broken the record for magnetometer sensitivity again with the new ALT021-10E Tunneling Magnetoresistance (TMR) analog magnetometer. It has a remarkable sensitivity of 500 mV/V/mT. It can precisely measure fields from less than a microtesla to 250 microtesla.

**Bipolar Output**

The differential bridge outputs are bipolar, meaning positive for a positive field and negative for an opposite field polarity.

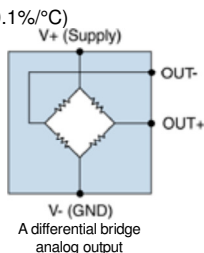


**Specifications**

- High sensitivity (500 mV/V/mT typical)
- Large signal (200 mV/V typical full-scale)
- Flexible 0 to 14 V supply (no minimum)
- 20 kilohm device resistance for low power
- ±0.25 mT linear range
- High linearity (2% of full-scale)
- Ultra-low output temperature coefficient (±0.1%/°C)
- Up to 300 kHz bandwidth
- -40 to 125 °C operating range
- 2.5 x 2.5 mm DFN package

**Applications**

- Proximity sensing
- Motion, speed, and position control
- Ferromagnetic material detection
- Flow sensing
- Geomagnetic navigation
- Noncontact current sensing
- Wearables
- Mechatronics and robotics



**Three Versions**

There are now three ALT-Series TMR magnetometer versions:

Part Number (click for more information)	Sensitivity (mV/V/mT)	Linear Range (mT)
<a href="#">ALT025-10E</a>	20	0 to 10
<a href="#">ALT023-10E</a>	200	0 to 1
<a href="#">ALT021-10E [NEW!]</a>	500	0 to 0.25

**Demonstration Video**

This video shows the remarkable sensitivity of the new ALT021:



**In Stock**

The [ALT021-10E](#), [ALT023-10E](#), and [ALT025-10E](#) are all in stock for immediate delivery.

**Buy Online**  
\$9.95 shipping