

In This Issue

[TMR Bipolar Analog Magnetic Sensor](#)

[Sensor Expo](#)

[Recent Exhibitions](#)

Quick Links

[Sensor Selector Guide](#)

[Isolator Selector Guide](#)

[Online Store](#)

[Contact Us](#)

[Twitter](#)

[YouTube](#)

New on YouTube

[Demos at Sensors Expo 2019](#)

[Detecting Tiny Gear Teeth](#)

[Low-Power Isolator Demonstration](#)

[Low-Power Isolated Transceiver Demonstration](#)

Independence Day

NVE will be closed Thursday, July 4 for the Independence Day holiday.

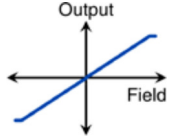
TMR Bipolar Analog Magnetic Sensor

Revolutionary TMR Technology

The ALT025 is a Tunneling Magnetoresistance (TMR) analog bridge magnetic sensor with an extraordinary amount of signal and a wide linear range.

Bipolar Output

The differential bridge output is bipolar, meaning it is positive for a positive field and negative for an opposite field polarity.



A unique bipolar transfer function

Key Specifications

- Large signals (20 mV/V/mT typical)
- 20 kΩ device resistance for low power
- ±10 mT linear range
- High linearity output (<1 %F.S. ±5 mT)
- Ultra-low temperature coefficient of output (±0.1%/°C)
- Up to 300 kHz bandwidth
- 2.5 x 2.5 mm TDFN6 package
- -40 to 125°C operating range

Applications

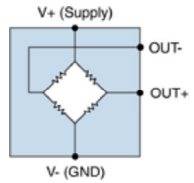
- Motion, speed, and position control
- Non-contact current sensing
- Mechatronics and robotics

In Stock

The ALT025-10E is in stock for immediate delivery:

Buy Online
\$9.95 shipping

[Download the Datasheet »](#)



A differential bridge analog output

Sensors Expo

sensors expo & conference 2019 **JUNE 25-27** Sensors Expo gets underway at 10:00 June 26, in San Jose, Calif. See us in Booth 1344 in the *IoT and Wireless Pavilion*.

We're demonstrating three TMR sensors: a Smart Angle Sensor, a Smart Magnetometer, plus an analog sensor:



The [smart angle sensor](#) is at the heart of our third-generation mechatronic xylophone playing "Do You Know the Way to San Jose" just for this show.

The new [SM225 TMR Smart Magnetometer](#) provides a unique combination of speed and precision for proximity or current sensing. We're demonstrating it using a demo board, magnet, and bipolar current source.

Finally, we have an [analog angle sensor](#) demo with a simple microcontroller and an LED array.

[More Smart Sensor Info »](#)

Recent Exhibitions



Sensor+Test visitors learned about new [smart sensors](#), [angle sensors](#) and [noncontact current sensors](#).

At the **Power Conversion and Intelligent Motion (PCIM)** show, we highlighted the new [IL01x Low-Power Isolators](#) and [IL2985E Low-Power Transceivers](#).

