

In This Issue

[Low-Field Angle Sensor](#)

[AAT Sensor Demo](#)

[New Website](#)

Quick Links

[Sensor Selector Guide](#)

[Isolator Selector Guide](#)

[Online Store](#)

[Contact Us](#)

[Twitter](#)

[YouTube](#)

New YouTube Videos

[AAT/Arduino/ html/ Chrome browser demo](#)

[Ampere's Law and a Bipolar Current Sensor](#)

[Nanopower Sensor Demonstrator](#)

[ADT-Series TMR Rotation Sensors](#)

Exceptional Growth

NVE recently reported that product sales increased 42% in its most recent quarter.

[More Info >](#)

New Sales VP

Tim Hazelton has returned to NVE as Vice President of Sales. Tim previously held various engineering and sales positions at NVE from 1996 to 2014, most recently recently Vice President of Distributor Sales.

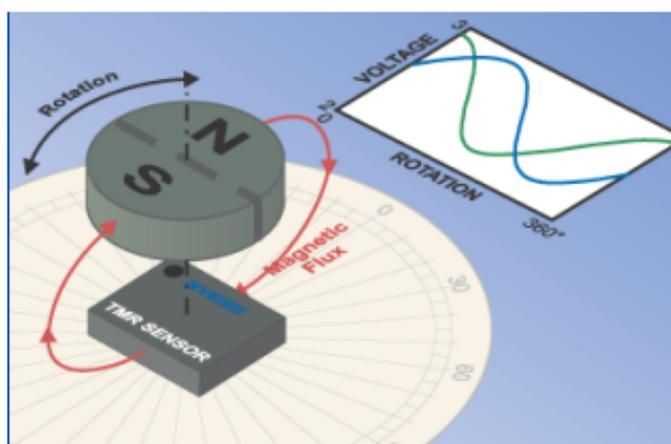
[Contact Tim Hazelton >](#)



AAT006 Low-Field Angle Sensor

AAT006-10E Angle Sensors use Tunneling Magnetoresistance (TMR) technology for operation at magnetic fields as low as 15 oersteds, allowing an extremely wide airgap tolerance.

The device has a large output without amplification, and high device resistance for low power. Sine and cosine outputs provide full quadrature.



The new AAT006-10E low-field angle sensor.

AAT sensors measure angular position based on rotating magnetic fields. Typical applications include rotary encoders, and motor shaft position sensors, and Internet-of-Things end nodes.

Key AAT006 features include:

- 1.5 MΩ typical device resistance for low power consumption
- 0.5° maximum angular measurement error (fixed bias)
- 200 mV/V peak-to-peak output signals
- Very wide magnet airgap tolerance
- Sine and cosine outputs for direction detection
- Ultraminiature 2.5 mm x 2.5 mm x 0.8 mm TDFN6

The sensors detect and maintain absolute position information, and immediately power up in the correct position after power is restored.

There are now four AAT-Series sensors:

Part Number	Typ. Device Resistance	Features
AAT001	1.25 MΩ	Ultra-low power
AAT003	40 kΩ	Ideal for interface to microcontrollers
AAT006	1.5 MΩ	Low magnetic field requirement
AAT009	6 MΩ	Ultra-ultra-low power

All four part types are in stock and available for immediate delivery.

Buy Online
\$9.95 shipping

Demonstrations

Here's a demonstration of AAT sensors powered by small fruits:



nve.com

NVE's new Website debuted recently. The site still has lots of product information, selector guides, applications information, and reference designs. Features of the new site include:

- Streamlined menus with clear navigation
- A responsive layout for all platforms
- Selector guide modal light boxes for quick access
- Easier online ordering
- Faster loading and downloads



The new nve.com.

[Click here](#) to try it yourself!