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**New YouTube Videos**

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**NEW Nanopower TMR Magnetic Switches**

We have expanded our industry-leading family of magnetic switches with high-sensitivity versions of our ADT9xx-Series Tunneling Magnetoresistance (TMR) sensors.

**Sensitive**

The new versions provide magnetic operate points as low as 1.5 mT. The field can be either polarity, and the magnetic operate point is extremely stable over supply voltage and temperature.

**Battery Operation**

ADT-Series sensors operate from 2.4 to 4.2 volts, which is ideal for lithium or lithium-ion batteries and 3.3-volt supplies.

**Ultralow Power**

TMR technology provides ultralow power. Typical quiescent supply current is just 1  $\mu$ A with no duty cycling. That's less than the self-discharge rate of typical lithium-ion batteries, making the new sensors ideal for battery applications such as utility meters or portable instruments.

**High Speed**

Continuous operation without duty cycling means the sensors are fast, and can switch at more than 20 kHz.

**Configured as Switches**

Outputs are configured as magnetic "switches," turning on when a magnetic field is applied and off when the field is removed.

**Ultraminiature**

ADT sensors are in a 1.1 mm x 1.1 mm x 0.35 mm DFN4 package.

**In Stock**

Four ADT9xx-Series parts are now available:

Part Type (click for details)	Typical Magnetic Operate Point
<a href="#">ADT925-14E (NEW)</a>	1.5 mT
<a href="#">ADT924-14E (NEW)</a>	2.2 mT
<a href="#">ADT923-14E</a>	3.2 mT
<a href="#">ADT922-14E</a>	4.5 mT

**Demonstration Board**

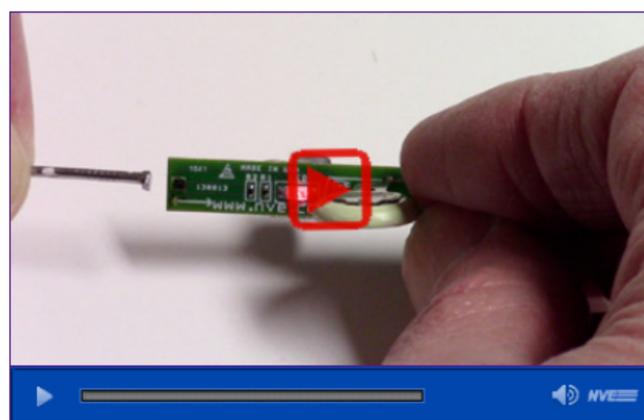
The [AGQ40T Demonstration Board](#) has an ADT923-14E sensor and an LED to show the sensor output. It is powered by a three-volt lithium coin cell (included). The sensor's low quiescent power allows the battery to last at least several years with occasional LED use. A miniature bar magnet is included to activate the sensor. The board is just 1.57 by 0.25 inches (40 x 6 mm).

[Download the ADT9xx Datasheet »](#)

[Download the Demo Board Datasheet »](#)

**Buy Online**  
\$9.95 shipping

Here's a demonstration of remarkable sensitivity of one of the new parts:



And here we show off the low power and high speed of ADT-Series Magnetic Switches:



**NEW ISO9001 and IATF 16949 Renewed**

NVE's [ISO 9001 Certificate](#) and [IATF 16949 Letter of Conformance](#) have been renewed.

NVE is committed to meeting the highest industry standards for quality and dependability of supply.