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Holiday

NVE will be closed **Monday, September 3** for Labor Day.

Smart TMR Magnetometer

The new SM324-10E **Smart Magnetometer** combines a Tunneling Magnetoresistance (TMR) sensor element with sophisticated digital signal processing.

An I²C interface provides data as well as an external programming interface. A digital output provides precise, programmable thresholds:

Unlike awkward, old-fashioned Hall-effect sensors, TMR is sensitive in-plane for optimal current sensing and easy mechanical interfaces.

Key SM324-10E **features** and **specifications** include:

- Can detect magnets more than 50 mm away
- I²C and digital threshold outputs
- 24-bit output resolution
- ±0.3% FS accuracy at 25°C
- 300 samples/second conversion rate
- 0 to ±20 Oe magnetic field operating range
- 1.68 to 3.6 volt supply
- 1.5 mA typical supply current
- Programmable offset and gain compensation
- -40°C to +125°C operating range
- Ultraminiature 2.5 x 2.5 x 0.8 mm TDFN package

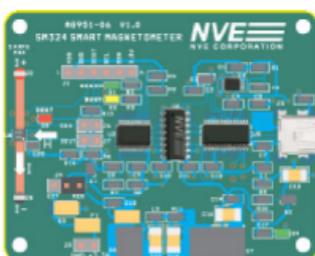
[Download the SM324 Datasheet >](#)

The SM324-10E is **in stock** for immediate delivery.

Buy Online
\$9.95 shipping

Evaluation Kit

The AG951-07 Evaluation Kit has everything you need to calibrate, test, and evaluate the remarkable SM324-10E Smart Magnetometer:



The evaluation kit includes:

- An evaluation board with:
 - an SM324-10E sensor.
 - a microcontroller connected to the sensor via I²C.
 - a current-carrying trace under the sensor for evaluating as a current sensor.
- A powerful, intuitive graphical user interface.
- Simple software installation.
- Flexibility to power from USB or external power supply.
- Isolated USB interface for safety and low noise.
- USB cable to connect the Evaluation Board to a computer.
- A small ceramic magnet for evaluating as a proximity sensor.

Evaluation kits are **in stock** for immediate delivery.

Buy Online
\$9.95 shipping

Here's a live demonstration of the evaluation kit, including a simulated pump monitor application:



Upcoming Exhibitions



electroneX
September 5 to 6
Rosehill Gardens Event Centre
Sydney, Australia

NVE sensors will be on display in cooperation with distributor Fairmont Marketing (stand B14).