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Magnetic Sensor Breakout Boards

New Boards

We recently launched dozens of new sensor breakout boards to let you easily try out NVE's unique GMR and TMR magnetic sensors.

The Industry's Best Sensors

NVE sensors have the highest sensitivity, simplest interfaces, and smallest packages in the industry. These boards allow you to easily prove them in your application.



Ridiculously Simple Interfaces

Bridge sensors use just four pins for power and a differential output. I²C and SPI Smart Sensors need just a few pins and a few lines of code, so you can be up and running in no time.

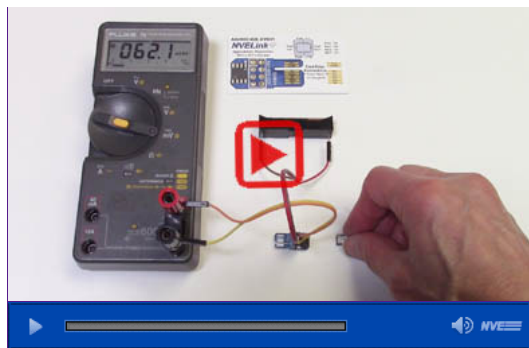
Easy Connections

The boards are less than 1/2 x 1 inch (13 x 25 mm) and have your choice of sensor, bypass capacitors as recommended, a standard 0.1-inch header and a 1 mm pitch card-edge connector.

Succinct Documentation

Each board has a business-card size guide with pinouts and specifications. QR codes provide links to detailed datasheets.

This video demonstrates one of the boards—our most sensitive GMR magnetometer:



Dozens of Versions

There are dozens of new sensor breakout boards, all [in stock](#) for immediate delivery. The latest introductions are summarized in the following table:

Sensor (click for more information)	Breakout Board (click for more information)	Sensor Package	Output	Range	
AA002-02E	AA002-02E-EVB01	SOIC8	Analog Bridge Magnetometer	1.5 mT	
AA003-02E	AA003-02E-EVB01	SOIC8		20 mT	
AA004-00E	AA004-00E-EVB01	MSOP8		5 mT	
AA004-02E	AA004-02E-EVB01	SOIC8		10 mT	
AA005-02E	AA005-02E-EVB01	SOIC8		5 mT	
AA006-00E	AA006-00E-EVB01	MSOP8		6 mT	
AA006-02E	AA006-02E-EVB01	SOIC8		1.5 mT	
AAH002-02E	AAH002-02E-EVB01	SOIC8		50 mT	
AAH004-00E	AAH004-00E-EVB01	MSOP8		1500 mT	
AAL002-02E	AAL002-02E-EVB01	SOIC8		Analog Current Sensor	500 mA
AAL004-10E	AAL004-10E-EVB01	DFN6			
AAL024-10E	AAL024-10E-EVB01	DFN6		I ² C; Digital Threshold	1 mT
AA007-00E	AA007-00E-EVB01	MSOP8			4 mT
AKT001-14E	AKT001-14E-EVB01	DFN4			1.5 mT
ACT001-10E	ACT001-10E-EVB01	DFN6	SPI	1.5 mT	
SM124-10E	SM124-10E-EVB01	DFN6			
SM125-10E	SM125-10E-EVB01	DFN6	I ² C; Digital Threshold	1.5 mT	
SM223-10E	SM223-10E-EVB01				
SM223-10E	SM223-10E-EVB02	DFN6	I ² C	1.5 mT	
SM225-10E	SM225-10E-EVB01	DFN6			
SM228-10E	SM228-10E-EVB01	DFN6			
SM324-10E	SM324-10E-EVB01	DFN6			

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