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**Contract R&D**

NVE reported a 379% increase in contract R&D in the just-completed fiscal year in May.

[Contact us](#) for your custom magnetic sensor needs.

**Moving Up**

**100** NVE moved up to number 75 in the latest *Star Tribune 100* rankings of the largest companies in Minnesota.

[More Info >](#)

**New Sensor Catalog**

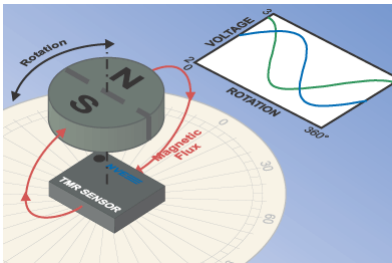
A new short-form **Sensor Catalog** summarizes the available parts and specifications for each of NVE's six sensor product lines.

[Download Sensor Catalog >](#)

**Featured Product**

**Noncontact Angle Sensors**

**AAT-Series** high-output, noncontact angle sensors measure rotating magnetic fields. Typical applications include rotary encoders and motor shaft position sensors.



AAT-Series Sensor outputs are proportional to the supply voltage and peak-to-peak output voltages are much larger than other sensor technologies.

Key features include:

- Tunneling Magnetoresistance (TMR) technology
- High bridge resistance for low power
- Large output signal without amplification
- Wide airgap tolerance
- Sine and cosine outputs for direction detection
- 0.5 degrees maximum angular measurement error
- Ultraminiature 2.5 mm x 2.5 mm x 0.8 mm TDFN6

Product specifications are summarized as follows:

Parameter	Min.	Typ.	Max.	Units	
Bridge Resistance (each resistor; 25°C)	AAT001	600	1250	2500	kΩ
	AAT003	20	40	60	
Peak-to-Peak Output (Sin or Cos outputs; 25°C)		130	200		mV/V
Peak-to-Peak Output (Sin - Cos differential; 25°C)		184	283		mV/V
Angular Measurement Error (fixed bias)				0.5	deg.
Required Applied Magnetic Field Strength		30	200		Oe

[Download AAT-Series Datasheets >](#)

**Buy Online**  
\$9.95 shipping

**Recent Exhibitions**



At **Sensor+Test**, visitors thrilled to live product demonstrations, including an AAT001 sensor, with an analog front end and a PC interface:

