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New Products

[5 kV Five-Channel Isolators](#) (see [story at right](#))


Publications

An article highlighting the advantages of IsoLoop Isolators in Switch Mode Power Supplies was recently published in *Electronic Specifier Power*.

“ Isolation technology increases density and reliability... ”

[Download Article >](#)

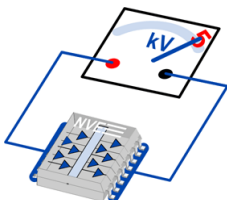
Spring Forward

 Daylight Saving Time begins Sunday, March 8. Set your clocks forward an hour.

It's also a good time to check smoke detectors and prepare for Pi Day (see [story at right](#)).

5 kV Five-Channel Isolators

Five-Channel IsoLoop® IL200-Series Isolators are now available in 5 kV isolation/1 kV Working Voltage versions.



Parts are available with 5/0, 4/1, and 3/2 channel configurations.

With the five-channel parts, NVE now offers high-voltage V-Series two, four, and five channel data couplers, as well as RS-485, RS-422, and PROFIBUS transceivers.

Key V-Series specifications include:

- 5 kVrms isolation (1 minute) per UL 1577
- 1 kVrms Working Voltage (line voltage) per VDE 0884-10
- >10¹⁴ ohm barrier resistance
- Wide-body packages with True 8 mm creepage

All the [5 kV isolators](#) are in stock for immediate delivery.

[Download Datasheet >](#)

Buy Online
\$9.95 shipping

ISO 9001

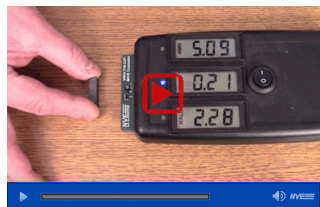


New Video

GMR Switch Demonstration Video

NVE Vice President for Sensors Jay Brown shows how GMR Switches compare to Hall effect and AMR sensors.

There's a live demonstration with three sensors, a magnet, and no tricks.




(SPOILER ALERT: The GMR Switches are smaller, more sensitive, and lower power than the other sensors.)

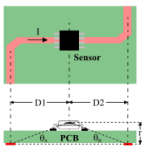
Embedded World

 **embeddedworld** Exhibition & Conference ... It's a smarter world. Distributor HY-LINE Power Components showed IsoLoop isolators at the recent **Embedded World** exhibition in Nürnberg, Germany. There was strong interest in NVE isolators, particular for [PC](#) and [SPI](#).

Pi Day Applications

 In honor of **Pi Day** 3/14/15, here's the Biot-Savart Law calculation for current-induced magnetic field:

$$H = \frac{I (\cos \theta_A + \cos \theta_B)}{4 \pi r}$$



The equation can be used to calculate the field due to current through a circuit board trace. With this information, [NVE AA-Series analog magnetic sensors](#) can measure current.

[Download the Current Measurement Application Bulletin](#) for more information.