



For Immediate Release

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MTE Introduces the dV Sentry™ – The Industry’s First Three-In-One Protection dV/dt Filter

The new dV Sentry™ filter reduces common mode voltage, peak voltage and rise times in one easy-to-integrate package to help protect AC motors, cables and drives against power quality problems

Menomonee Falls, WI – September 15, 2014 - [MTE Corporation](http://www.mtecorp.com), a world leader in the design and manufacture of high-efficiency electrical power quality solutions for commercial and industrial applications, today announces the introduction of its new best-in-class [dV Sentry™](#) motor protection filter. Using a dV/dt filter helps protect AC motors from the destructive effects of long lead voltages that can damage variable frequency drives (VFDs), cables, and motors. The 380V to 600V dV Sentry is the first dV/dt filter on the market to offer comprehensive three-in-one protection for VFDs and motors against peak voltage, high rise times and now, common mode voltage reduction. The dV Sentry is well suited for the demands of industrial equipment including HVAC, water/wastewater and irrigation.

In the past, traditional dV/dt filters only protected against power distortion created over long lead voltage lengths between VFDs and motors. Now, thanks to MTE’s patented Triple Defense Core technology, protection against long lead power distortion, voltage spikes and common mode voltage can be achieved in one system. Through MTE’s unique design, the dV Sentry has been proven to reduce common mode voltage by over 50 percent. This achievement – an industry first in a dV/dt filter – significantly reduces damage to motor bearings, motor insulation and unexpected ground fault trips and erratic behavior of VFDs and Programmable Logic Controllers (PLCs).

“In working closely with our OEM and Integrator customers, we observed an unmet need in the marketplace for a dV/dt filter that can significantly reduce power quality problems for AC motors, VFDs and associated equipment,” said Stu Accola, Product Marketing Manager at MTE Corporation. “Our new dV Sentry filter, with its three-in-one protection, raises the bar for future dV/dt filters as its innovative technology and robust design leads the industry in performance. This ultimately results in longer motor life and higher efficiency.”

Designed for operations in harsh environments, the dV Sentry operates from -40°C to 60°C. The dV Sentry features a small compact design as well as lighter weight, facilitating easier installation. Operating at a low noise level (<65 db), the dV Sentry can work in virtually any environment.

Moreover, the dV Sentry offers a much lower watts loss compared to any other dV/dt filters on the market. Low watts loss (heat) helps ensure longer life and protection for equipment around the filter.

Available in NEMA1/2 and NEMA 3R configurations, the new dV Sentry is backed by a 3-year warranty and is UL and cUL Listed. For more information on MTE's complete line of power quality solutions, visit: www.mtecorp.com or call 800-455-4MTE (800-455-4683).

About MTE Corporation:

MTE Corporation is an international supplier of power quality solutions designed to improve the reliability of power electronic systems and adjustable frequency drives. MTE manufactures line/load reactors, Matrix[®] AP Passive Harmonic Filters, EMI/RFI filters, DC link chokes, dV Sentry[™] and SineWave Guardian[™] motor protection filters, plus numerous custom magnetic products that provide power quality solutions in a broad range of applications.

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