

The best-in-class dV/dt filter for motor protection.

The **only** proven filter that provides common mode reduction, peak voltage protection, and rise time reduction – all in one unit.

3-in-1 Protection

- **Patented core design** delivers the most advanced technology for the market
- **PROVEN 50% + common mode current** reduction
- **Rise time reduction** lowers motor heating, and meets NEMA MG 1-1998 Section 31 motor standards
- **Peak voltage protection** when voltage spikes reach dangerous levels

Problems protected by dV Sentry:

- Damage to motor bearings
- Unexpected ground fault trips
- Erratic behavior of VFDs and PLCs
- Premature motor insulation failure
- Cable damage

Low Watts (Heat) Loss

- Protects surrounding equipment
- Ideal for harsh environments
- Less cooling needed
- Operates temperature up to 60C

Small, Compact Design

- Integrators value a small footprint to easily integrate into their applications
- Low profile flat core limits shipping and installation damage, less components than previous MTE filters
- Lightweight makes it easier to move and install
- Panel configuration (up to 110A) protects resistors

Quiet

- Runs less than 65dB
- As quiet as a normal conversation

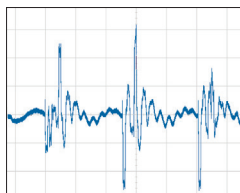
Easy Installation

- Simple and easy terminations
- Labeling and technical information are concise and easy to understand
- Back panel mountable with four easily accessible mounting holes for quick installation

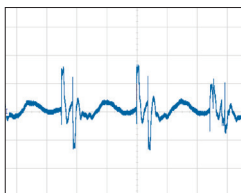
Includes a Three-Year Warranty



Common Mode Reduction:

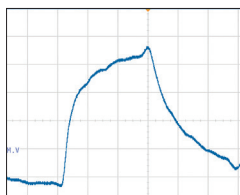


Without dV Sentry

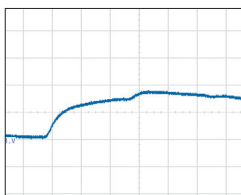


With dV Sentry

Peak Rise Protection:

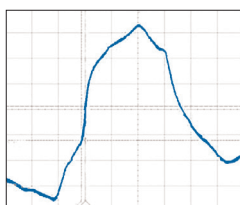


Without dV Sentry

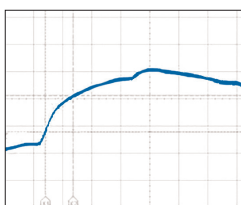


With dV Sentry

Rise Time Reduction:



Without dV Sentry

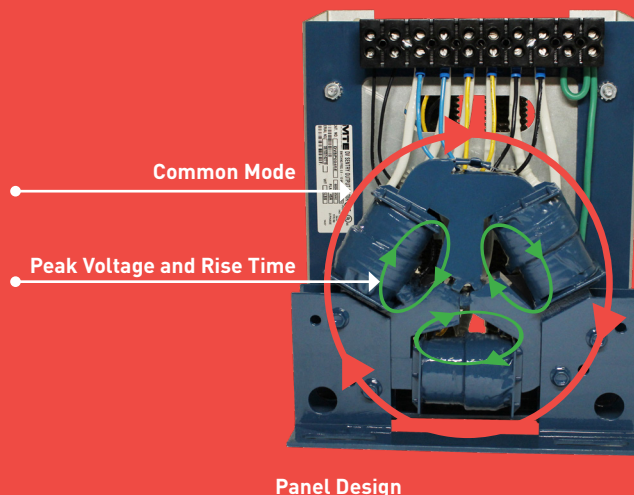


With dV Sentry

The Unique Triple Defense Core

The patented design of the dV Sentry and its Triple Defense Core are like nothing you've seen before.

- **Common mode reduction:** Power filters through outer core and reduces common mode over 50%
- **Peak voltage protection and Rise time reduction:** Power filters through inner core and reduces rise time and gives peak voltage protection



The dV Sentry Product Line:

Voltages: 208V to 600V, 50/60Hz

Currents: 3A to 600A

Enclosures: NEMA 1/2 and NEMA 3R

- **Panel design** Up to 110A. Resistors located under steel for protection
- **Modular design** 130A and above. Resistor assembly comes with the purchase of dV Sentry
- **Low profile flat core** minimizes risk of damage
- **Back Panel Mountable** with four easily accessible mounting holes



Scan for more information or visit our website at www.mtecorp.com

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