



What's New at ComVEC 2009

A preview of some of the products, services, and technologies on display at the sixth-annual SAE Commercial Vehicle Engineering Congress & Exhibition, taking place Oct. 6 and 7 at Donald E. Stephens Convention Center outside of Chicago, IL.



Pressure Transmitter

WIKA Instrument Corp. has added the Type A-10 industrial transmitter to its line of electronic pressure instrumentation. Featuring fewer component parts and a one-piece flow assembly, Type A-10 offers high quality and reliability at a competitive price. Specifically engineered to withstand harsh operating conditions such as shock and heavy vibration, Type A-10's construction is resistant to mechanical damage and eliminates stress on the pins of the piezo sensor. There are very few potential error sources, reducing failure rate to a minimum. Type A-10 was developed for general industrial applications such as machine tools and hydraulics/pneumatics.

For more information, visit booth 713

Composite filter

CTI (C ramiques Techniques et Industrielles) and the IFP have developed a SiC composite par-

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ticulate filter with improved filtration efficiency that targets Euro 5 and 6 regulations. Features include high thermal conductivity for complete, efficient regeneration; improved mechanical performance; chemical resistance to acids and ashes; durability after harsh aging treatments; and compatibility with washcoat formulations. The SiC composite diesel particulate filter (DPF) uses a manufacturing process that enables the production of various sizes and shapes. CTI's composite DPF is suitable for trucks, buses, and other on- and off-highway vehicles and also offers improved serviceability.

For more information, visit booth 607

Global foot pedal

Orscheln Products' global suspended electronic throttle pedal was designed for improved installation and flexibility for ergonomic positioning and mounting per customer specifications.



Made fully of polymer, the pedal is adaptable for a range of electronic throttle applications that require a rugged, durable design. Configured to meet a customer's requirements, both contact and noncontact sensors are applied. Sensor outputs available include single analog, single analog with switch, dual analog, and PWM; customer-specific outputs can be programmed. The company's motion control products and systems are suitable for the heavy-duty vehicle marketplace.

For more information, visit booth 507

Motor control

Phoenix International, a John Deere company, has introduced a family of liquid-cooled motor control inverters designed for applications with a bus voltage of up to 700 V dc and a continuous current of up to 300 A. Products are rated to work in an ambient



temperature range of -40 to +85 C (-40 to +185 F). The inverter family features a flexible set that can be hardware configured for use with various positioning sensing technologies including resolver, digital halls, and analog halls. The high-voltage system contains an interlock feature used for detection of severed high-voltage connectors on the inverter. Phoenix partners with suppliers of permanent magnet, switched reluctance, and induction motors to provide rugged systems for electrification on small equipment, off-highway vehicles, and recreational products.

For more information, visit booth 715

Modular display

FW Murphy's PowerView 750 display features a customizable modular design that integrates electronic engine, transmission, and machine information into an LCD flatscreen with full-color graphics. All primary components can be isolated and custom