



Mod-Tronic Showcases Comprehensive Line of Power Measurement Solutions for Industrial Applications

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Mod-Tronic Instruments Limited, a trusted supplier of industrial instrumentation for over 40 years, is highlighting the depth and precision of its power measurement solutions designed to meet the complex needs of modern electrical and automation systems. Known for its reliability and commitment to performance, Mod-Tronic continues to serve engineers and system integrators with a suite of products that ensure accuracy, durability, and versatility in power monitoring applications.

The company's expansive portfolio encompasses a variety of high-performance instruments tailored to measure, convert, and transmit electrical parameters with exceptional fidelity. Mod-Tronic's offerings are engineered to serve mission-critical applications across manufacturing plants, utility infrastructures, and energy management systems, where precise measurement of voltage, current, frequency, phase angle, and power is essential.

Mod-Tronic's power measurement product lineup features state-of-the-art voltage transmitters that accurately

measure alternating current (AC) voltage either directly or through a voltage transformer. These units convert the AC signal to a proportional direct current (DC) output, facilitating integration into industrial control systems and simplifying data acquisition for operators managing load profiles and energy consumption.

In addition to voltage sensing, the company supplies current transformers that reduce or multiply alternating current to produce a measurable signal in secondary circuits. These devices are foundational to load analysis, system protection, and performance monitoring in high-demand environments. Their compact form factor and consistent output make them an integral component of smart grid and automation installations.

Power transducers are another cornerstone in Mod-Tronic's measurement solutions, engineered to deliver a controlled output proportional to average root mean square (RMS) power. These devices offer a streamlined approach to real-time energy metering and are particularly effective in environments requiring comprehensive power factor and consumption data for system optimization.

To address frequency variations within electrical systems, Mod-Tronic provides frequency transducers that convert power frequency readings into standardized signals for monitoring and control. These transducers are ideal for ensuring the stability of generators, motor drives, and power conditioning equipment in variable load conditions.

Mod-Tronic's lineup also includes phase angle transducers, which measure the angular relationship between voltage and current or between two voltage signals. This data is critical for determining power factor efficiency and for detecting imbalances that could compromise system integrity. Their accuracy and rapid response time make them a staple in high-precision industrial and laboratory applications.

One of the more advanced offerings in Mod-Tronic's catalog is the programmable multi-transducer. Capable of capturing multiple electrical parameters simultaneously, these units are designed for high-current systems where real-time diagnostics and remote configurability are indispensable. They support digital integration and allow for flexible communication with supervisory control and data acquisition (SCADA) systems.

Complementing these technologies are Mod-Tronic's energy and power meters. Designed to monitor the total consumption of electric energy, these devices provide critical insights for energy audits, cost allocation, and operational efficiency. Whether used in industrial plants or commercial buildings, they play a pivotal role in driving sustainability and energy compliance initiatives.

"Power measurement is at the core of modern automation and energy systems. At Mod-Tronic, we strive to ensure that our customers have access to tools that not only meet their technical requirements but also exceed industry standards in reliability and performance," said Steven Ruple, President of Mod-Tronic Instruments Limited. "Our comprehensive range of measurement devices allows engineers and technicians

to manage electrical systems with greater insight, safety, and confidence.?

The diversity of Mod-Tronic's power measurement product lineup makes it an indispensable resource for professionals seeking dependable solutions for monitoring electrical variables in real time. Each product is selected for its engineering integrity and is backed by the company's commitment to customer service and technical support.

With applications spanning from process automation to transformer monitoring and facility management, Mod-Tronic's power measurement technologies help bridge the gap between analog signals and digital intelligence. By enabling greater visibility into system behaviors, these solutions empower operators to reduce downtime, optimize efficiency, and improve the resilience of critical infrastructure.

As the demand for smarter and more responsive power monitoring systems continues to grow, Mod-Tronic remains a trusted partner to industries seeking precision instrumentation. The company's products reflect a long-standing tradition of excellence, combining robust design with state-of-the-art functionality to meet the evolving demands of energy-conscious operations.

Mod-Tronic Instruments Limited reaffirms its dedication to delivering high-quality measurement solutions that advance safety, efficiency, and system intelligence across the electrical engineering landscape.

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MOD-TRONIC Instruments Limited

MOD-TRONIC is a distributor of fourteen high-quality manufacturers of industrial Sensors, Transducers, Heaters, Controls, and Instrumentation. We are very proud to say that the majority of the products we sell are made in the USA.

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