



FOR IMMEDIATE RELEASE

Pickering Interfaces Introduces PXI Millivolt Thermocouple Simulator Module

September 7th 2016 – Clacton-on-Sea, UK – Pickering Interfaces, a leading provider of modular signal switching and simulation for electronic test and verification, is pleased to introduce their first Millivolt Thermocouple Simulator Module.

PXI Thermocouple Simulator Modules (series 41-760) are ideal for simulating the operation of a thermocouple. They are available in a choice of 8, 16, 24 or 32 channels—each channel providing a low-voltage output across two connector pins capable of providing $\pm 20\text{mV}$ with $0.7\mu\text{V}$ resolution, $\pm 50\text{mV}$ with $1.7\mu\text{V}$ resolution and $\pm 100\text{mV}$ with $3.3\mu\text{V}$ resolution, covering most thermocouple types.

These new thermocouple simulators use two wire outputs with a remote output reference sense to ensure the modules deliver accurate low-level voltages, even if the system has common mode voltages present. In addition, each simulation channel is also able to provide an open circuit setting to simulate faulty wiring connections to a sensor. For improved accuracy, each channel of the Low Voltage Source carries accurate calibration data stored on the module. The module also includes a calibration multiplexer for module test and verification purposes.

The 41-760 simulator modules can be connected straight into the thermocouple measurement system. To aid in this, Pickering offers a connector solution that has 8, 16, 24 or 32 copper twisted pairs terminated with mini copper thermocouple plugs. Pickering can also supply connector blocks that convert the module's 78-pin connector to terminal blocks to ease user wiring, or design alternative customized interconnections solutions.

The introduction of the PXI thermocouple simulator modules builds on Pickering Interfaces growing PXI simulation product line that includes standard and precision programmable resistors, including RTD and strain gauge simulation.

Pickering Interfaces stands behind all of their manufactured products with a **standard three-year warranty and guaranteed long-term product support**. Pricing and availability information are supplied on their website at www.pickeringtest.com.

About Pickering Interfaces

Pickering Interfaces designs and manufactures modular signal switching and simulation for use in electronic test and verification. We offer the largest range of switching and simulation products in the industry for PXI, LXI, and PCI applications. To support these products, we also provide cable and connector solutions, diagnostic test tools, along with an in-house software team that has created our application software and software drivers.

Pickering's products are specified in test systems installed throughout the world and have a reputation for providing excellent reliability and value. Pickering Interfaces operates globally with direct operations in the US, UK, Germany, Sweden, France, Czech Republic and China, together with additional representation in countries throughout the Americas, Europe and Asia. We currently



serve all electronics industries including, automotive, aerospace & defense, energy, industrial, communications, medical and semiconductor. For more information on signal switching and simulation products or sales contacts please visit www.pickeringtest.com. www.pickeringtest.com.

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