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SEL meter now provides wide-area visualization with synchrophasors

PULLMAN, Wash. — April 20, 2015 — Schweitzer Engineering Laboratories, Inc. (SEL) recently added synchrophasors to its popular SEL-735 Power Quality and Revenue Meter. With synchrophasors, users can now collect real-time measurements of electrical quantities from every SEL-735 Meter across their system. They can use synchrophasor data to perform wide-area control, validate system models, determine stability margins, maximize stable system loading, detect islanding, record system-wide disturbances and visualize dynamic system responses.

The SEL-735 supports the latest version of the synchrophasor standard, IEEE C37.118-2011 (as amended by IEEE C37.118.1a-2014) Class P, which makes it ideal for applications requiring fast response times under dynamic conditions. When used as a phasor measurement unit (PMU), this SEL meter provides synchrophasor data for frequency, phase, positive sequence components, four user-defined analog quantities and 14 digital status bits.



“The SEL-735 is designed as an economical yet high-performance meter,” said SEL R&D Manager Travis Mooney. “It passes accuracy requirements three times as stringent as the ANSI C12.20 Accuracy Class 0.2 standard. And, with three levels of power quality monitoring, it’s easy to tailor the SEL-735 to virtually any application or budget.”

The SEL-735 features full IEC 61000-4-30 power quality compliance along with industry-leading accuracy, ease-of-use, reliability and price. In addition, the combination of instrumentation transformer compensation and IEEE C37.118 is unique to SEL and the SEL-735 Meter. Customers can choose to correct delays and errors on each phase to achieve high system accuracy, even when using protection-grade transformers.

The SEL-735 equipped with an Ethernet port and synchrophasor functionality is available for only \$1,575. For more information on features, benefits and applications, visit www.selinc.com/p229.

SEL serves the power industry worldwide through the design, manufacture, supply and support of products and services for power system protection, monitoring, control, automation, communications and metering. For more than 30 years, SEL has provided industry-leading performance in products and

services, local technical support, a 10-year worldwide warranty and a commitment to making electric power safer, more reliable and more economical.

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