

SEL-735

Portable Power Quality Meter



The SEL-735 power quality (PQ) meter comes in a portable package for convenient PQ monitoring

IEC 61000-4-30 PQ-Compliant



Power Quality Problem

SEL-735 Solution

Power Reliability Issues	ITIC/CBEMA curves report reliability metrics.
Frequent Equipment Damage	Imbalance and overvoltage reports log damaging voltage deviations.
Lights Blink	Voltage sag, swell, and interruption recorder trends troublesome undervoltage events.
Lights Flicker	Meter trends annoying flicker.
Unexpected Equipment Shutdown	High-resolution waveform captures and precise time stamps help align power quality issues with equipment operation.
Overheated Electrical Equipment	Power factor, harmonic, and imbalance trending identify system inefficiencies.
Blown Fuses	Programmable alarms inform operators of overvoltage disturbances.
Noisy Transformers	Harmonic recording and alarms up to the 63rd order help pinpoint the source of noisy harmonic disturbances.
Higher Than Expected Energy Bills	Portable PQ Meter displays revenue-accurate billing quantities, including energy, demand, and time-of-use metering.

Power factor, harmonic, imbalance, and flicker trending.

Safety jacks for voltage and current.

Rugged travel enclosure.

Voltage leads included. Select from the list of current transformers below.

128 MB of data storage.

120/240 Vac line power.

Standard serial port for simple communications.

Standard Ethernet port for rapid data retrieval.



Specifications

Voltage and Current Inputs

0–300 V Continuous,* 22 A Continuous (5 A optional CT)

600 V for 10 Seconds

Optional Current Transformers**

915900209: Three 200:1 Clamp-On CTs, 0.6" Window, 1% Accuracy

915900210: Three 1000:5 Clamp-On CTs, 2.0" Window, 1% Accuracy

915900211: Three 1000:5 Split-Core CTs, 4.5" Window, 3% Accuracy

915900212: Three 2000:5 Split-Core CTs, 6.0" Window, 3% Accuracy

915900213: Three 3000:5 Split-Core CTs, 8.0" Window, 3% Accuracy

Power Supply

Connected Via a Provided 120 Vac Line Cord

Input Voltage: 85–264 Vac (50/60 Hz)

Operating Temperature

Meter: –40° to +85°C (–40° to +185°F)

LCD/Color Touchscreen: –20° to +70°C (–4° to +158°F)

*The portable meter does not support Rogowski coil inputs.

**All SEL clamp-on CTs are 600 V, 5 A secondary-rated. See the SEL Current Transformers (CTs) flyer.

Meter Compliance

IEC 61000-4-30 Class A

ISO: Meter is designed and manufactured using an ISO 9001-certified quality program.

ANSI C12.20; Class 0.1, CL2, and CL10/CL20
Emissions: FCC Part 15; Class A

IEC 62053-22; Class 0.1 S

IEC 62052-11; Rack-Mounted Meters

IEC 62053-23; Class 2 S

CAN/CSA-C22.2 No. 61010-1-12

IEC/UL 61010-1

ERCOT-Compliant

CE: Mark—EMC Directive, Low-Voltage Directive

Included Hardware

SEL-735

Portable Case

Clip-On Voltage Leads With Banana Plugs

QuickStart Guide

SEL SCHWEITZER ENGINEERING LABORATORIES

Making Electric Power Safer, More Reliable, and More Economical
+1.509.332.1890 | info@selinc.com | selinc.com

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