

SEL-735 Portable Power Quality Meter



IEC 61000-4-30
Power Quality
Compliant



The SEL-735 Power Quality (PQ) Meter comes in a portable package for convenient PQ monitoring.



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/interruption recorder trends troublesome undervoltage events.
Lights Flicker	Meter trends annoying flicker.
Unexpected Equipment Shutdown	High-resolution waveform capture 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.

Making Electric Power Safer, More Reliable, and More Economical®

SEL-735 Portable Power Quality Meter



Specifications

Voltage Inputs

0–300 V continuous
600 V for 10 seconds

Optional Current Transformers

Three 200:1 Clamp-On CTs, 0.6" Window, 1% Accuracy, 915900209
Three 1000:5 Clamp-On CTs, 2.0" Window, 1% Accuracy, 915900210
Three 1000:5 Split-Core CTs, 4.5" Window, 3% Accuracy, 915900211
Three 2000:5 Split-Core CTs, 6.0" Window, 3% Accuracy, 915900212
Three 3000:5 Split-Core CTs, 8.0" Window, 3% Accuracy, 915900213

Power Supply

Continuous Operating Limits

High-Voltage Supply 85–264 Vac (50/60 Hz)
 85–275 Vdc

Operating Temperature

IEC 60068-2-2:1993 –40° to +85°C (–40° to +185°F)
UL/CSA –40° to +80°C (–40° to +176°F)

Meter Compliance

IEC 61000-4-30 Class A

ISO: Meter is designed and manufactured using ISO 9001:2008 certified quality program.

ANSI C12.20-2002; Class 0.2, CL2, and CL10/CL20
Radiated Emissions: FCC Part 15; Class A

IEC 62053-22:2003; Class 0,2 S

IEC 62052-11; Rack-Mounted Meters

IEC 62053-23:2003; Class 0,2 S

CAN/CSA Certification: C22.2 No. 61010-04

IEC 61010-1:2001

UL 61010-1:2004 2nd Edition

ERCOT Compliant

CE: Mark-EMC Directive, Low-Voltage Directive



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