The SEL-734B includes a full set of power quality, control, and reporting functions. Combined with accurate revenue measurements, the SEL-734B is perfect for virtually any monitoring or control system.

Budgetary retail price: $1,344

Local and Remote Capacitor Bank Control
Remote or local pushbutton control.

Detailed Power Quality Monitoring
High-resolution waveform capture.

Disturbance Trending
Power factor, harmonic, unbalance, and flicker trending.

Distribution Automation Ready
Prewired, weather-tight enclosure option.
SELEnumeraor QuickSet® LDP and .HHF export tool.

Flexible Communications
Transfer real-time data over industry-standard protocols with advanced serial and Ethernet communications. Combine with an SEL high-precision IRIG-B source for synchronized phasor measurements.

Capacitor Bank Control
Provide automatic control of switched capacitor banks in distribution feeder applications. The SELoLogic meter capabilities combine fixed pickup settings with metered quantities, such as VAR flow, voltage, time of day, and current flow on the feeder.

Distributed Generation Control
Provide automatic start and remote control of distributed generation facilities. SELoLogic control equations support any logical or mathematical combination of measured quantities and set points to control a generator or load switch.

Power Quality Monitoring
Record voltage sag/swell/interruption (VSSI) disturbances, monitor harmonics to the 50th order, capture waveforms, measure flicker, and record sequential events. Monitor, record, and control using individual harmonic values, total harmonic distortion, and K-factor with resolutions up to the 50th harmonic. Measure interharmonics from 20 to 3285 Hz in 5-Hz bins.

Low-Energy Analog (LEA) Support
Integrate 0–10 Vac line post sensors for rapid deployment in distribution automation and monitoring applications. These inputs eliminate the need for expensive test switches and simplify installation into new locations.

Synchronized Phasor Measurement
Combine the SEL-734B with an SEL IRIG-B time source to measure the system angle in real time with a timing accuracy of ±10 µs. Measure instantaneous voltage and current phase angles in real time to improve system operation with synchrophasor information. Replace state measurement, study validation, or track system stability.

Standard Software Tools
Easily configure, test, monitor, and retrieve data using acSELERator QuickSet® SEL-5030 Software, which quickly programs, retrieves, plots, and exports to text or comma-separated value formats.

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Advanced communications and integration options.