SEL-734B



Advanced Monitoring and Control System

With Pushbutton Controls



Monitor. Control. Report.

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



Disturbance Trending



Power factor, harmonic, unbalance, and flicker trending.

Detailed Power Quality Monitoring



High-resolution waveform capture.

Distribution Automation Ready



Prewired, weather-tight enclosure option.

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

Features and Benefits

Complete Automation

Customize alarms and automate control based on measured load information with advanced SELogic® control equations. Integrate communications processors for single-point station access.

Capacitor Bank Control

Provide automatic control of switched capacitor banks in distribution feeder applications. The SELogic 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. SELogic control equations support any logical or mathematical combination of measured quantities and set points to control a generator or load switch.



AcSELERATOR QuickSet[®] LDP and .HHF export tool.

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.

Flexible Communications

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

Ethernet FIA-232 EIA-485 Modem **KYZ** Outputs Analog Outputs Modbus[®] DNP3



Advanced communications and integration options.

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 $\pm 10 \ \mu s$. 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 guickly programs, retrieves, plots, and exports to text or comma-separated value formats.



standard with the SEL-734.

Simple settings software.



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