

SEL-735 Power Quality Options

General	Basic	Intermediate	Advanced
Display	Customizable three-line or single-line display	Customizable three-line or single-line display	Customizable three-line or single-line display; 5-inch, 800 × 480 color touchscreen display*
Type-C USB Front Port	No	No	Yes*
Memory	128 MB	256 MB	1 GB
Maximum Harmonic Order	15th	63rd	63rd
Interharmonic Quantities	No	No	Yes
Harmonic Angles	No	No	Yes
Power Harmonics	No	No	Yes
Portable Case	No	No	Yes*
Waveform Capture			
Samples Per Cycle	16	16, 128	16, 128, 512
Duration (Cycles)	15	15–600	15–600
Number of Events	256	33–6,200	101–10,000
COMTRADE Reports	Yes	Yes	Yes
Wave View Oscillography	No	No	Yes
Load Profile Data			
Recorders × Channels	1 × 16	12 × 16	32 × 16
Acquisition Rates	1–120 min	3–59 s, 1–120 min	3–59 s, 1–120 min
Storage Duration for 10-Minute Interval Data			
16 Channels	10 years	20 years	20 years
192 Channels	N/A	1.5 years	9.5 years
512 Channels	N/A	N/A	3.5 years
Voltage Sag, Swell, and Interruption (VSSI) Recorder			
Typical Number of Summary Events	260	260	600
Number of Detailed Rows	60,000	60,000	130,000
Minimum Disturbance Duration	1/4 cycle	1/4 cycle	1/4 cycle
Sampling Rate	4 samples/cycle–1 sample/day, adaptive	4 samples/cycle–1 sample/day, adaptive	4 samples/cycle–1 sample/day, adaptive
Sequential Events Recorder (SER)			
Number of Events	>80,000	>80,000	>80,000
Number of Channels Monitored	≤72	≤72	≤72
IEC 61000-4-30 Power Quality Compliance			
150/180-Cycle, 10-Minute, 2-Hour Aggregation	–	Class A	Class A
Flicker	–	Class A (10 min, 2 hr updates)	Class A (1 min, 10 min, 2 hr updates)
Voltage Harmonics	Class A	Class A	Class A
Harmonic Currents	Class A	Class A	Class A

*Optional feature