



PRODUCT FEATURE:

LAS-800 Single Phase AC Volts Spike/Surge/Sag
Strip Chart Recorder



FEATURES

- Solid state circuit design
- Easy to use, affordable
- All 3 disturbances appear on the same chart
- Low battery indication
- Response time to 350 nano Seconds
- User adjustable thresholds for all 3 variables

Power line disturbances can cause modern electronic equipment, such as computers, to malfunction. Common types of power line disturbances are high frequency impulses (spikes), voltage dips (sags), and voltage increases (surges). Even though monitoring for these disturbances can be costly and time-consuming, it is important to monitor the line to determine if protection is necessary, and if so, the type.

The AMPROBE LAS-800 strip chart recorder offers an easy to use, affordable solution to monitoring. Through the use of advanced solid state circuit design, the LAS-800 can monitor the power line for all three types of disturbances and display the results on a strip chart. The AMPROBE LAS-800 can easily be moved from site to site because of its rugged design and small size.

Ranges: 0-220/440/880 volts, full scale, 50 or 60 Hz Nominal voltage ranges are average responding, calibrated in terms of RMS Spike-Sag-Surge voltage ranges are peak sensing, but scaled in terms of RMS

Ranges: 0-220/440/880 volts, full scale, 50 or 60 Hz
Nominal voltage ranges are average responding, calibrated in terms of RMS
Spike-Sag-Surge voltage ranges are peak sensing, but scaled in terms of RMS

Accuracy: Nominal voltage ranges $\pm 3\%$ Full Scale Sag & Surge modes, $\pm 3\%$ Full Scale, $\pm 2\%$ of reading based on sinusoidal waveforms.

NOTE: sag & surge response time is 1/2 cycle of 50 or 60 Hz sinewaves

Spike mode, $\pm 3\%$ Full Scale, $\pm 10\%$ of reading.

Spike accuracy is specified for a rectangular pulse whose rise time is greater than 35 nanoseconds and whose sum of rise time plus peak duration is at least 350 nanoseconds. Accuracy diminishes for narrower spikes.

Input Impedance: 220 volt range - 387 Kohms ($\pm 1\%$)/15pf)

440 volt range - 784K ohms ($\pm 1\%$)/15pf)

880 volt range - 1580K ohms ($\pm 1\%$)/15pf)

Threshold Adjustment Range: Surge & Spike are adjustable from 0% to 100% of full Scale.
Sag is adjustable from 0% to 50% of Full Scale.

Battery Backup (for memory only): Two 9V alkaline batteries Model MN1604

Line Power: 120VAC, 60 Hz, 9 Watts (50 Hz Available)

Operating Temperature Range: 32°F to 122°F (0°C to 50°C)

Chart Speed: 12"/Hour

Line Fuse: 0.2 amp, 250V Model 3AG-313

Input Overload: 50% Full Scale for 1 minute

Size: 7 1/2" x 5 1/4" x 9 1/4" (19.05cm x 13.34cm x 23.50 cm)

Weight: 5 Lbs. (2.27Kg)

Supplied with one red and one black test lead, one line power cord and one 30 foot roll of model 800S chart paper.

Not available with take-up reel capability, nor with one inch per hour chart speed.

ACCESSORIES AND REPLACEMENTS

9V alkaline battery	MN1604
0.2 amp 250 volt fuse	3AG-313
Strip Chart (30 feet)	800S
"Power cord (Gray), 2 conductor (for older recorders)"	PC-3
Safety Voltage Test Leads	VL-74
Instruction Book	P/N 91175

See the Amprobe Catalog for a complete list of other available Accessories