

Surge Testers

Megapulse 1786P



HIGH VOLTAGE IMPULSE GENERATOR

Surge tester built to the schematic shown in UL 1786, Figures 13 and 14.

Output is in accordance with UL 1786 Clause 11.6.4 Tester output is 50 ohms into an open circuit, and peak output is "essentially 3kV" per Clause 11.6.3. Initial rise time is 0.5us between 10 and 90% of peak amplitude; the period of the following oscillatory wave is 10us, and each successive peak is 60% of the preceding peak.

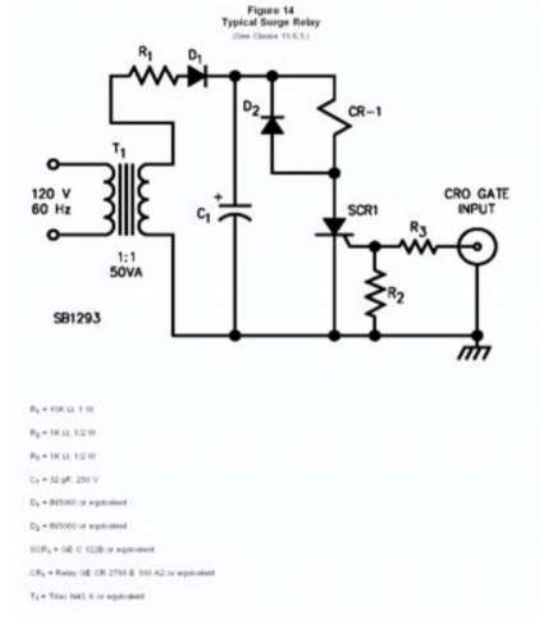
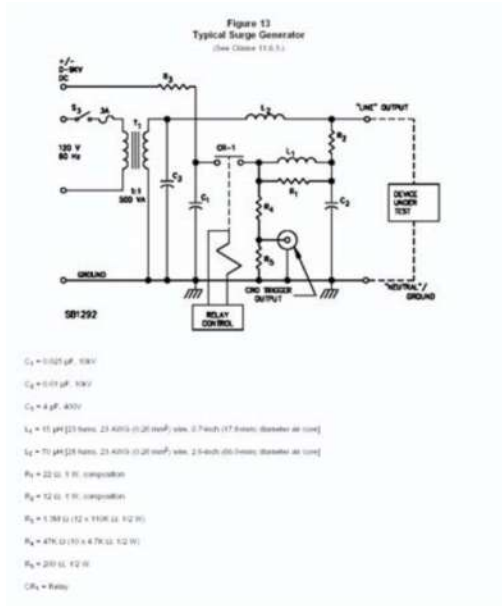
Features

- Up to 3kV test voltage on bulk cap.
- Microcontroller technologies, front panel voltage meter indicates test peak open circuit voltage and polarity.
- Output voltage and polarity are controlled manually from the front panel.
- Ergonomically designed for safety, speed and efficiency.
- Cables, manual and calibration certificate included.
- External interlock disables HV output and defeats test when circuit is open.
- Optional USB Testminder, computer control.
- One year calibration cycle.
- One year warranty.

Megapulse 1786P

Specifications

Model: MegaPulse 1786P. Tolerance judge by circuit components as shown in UL 1786. Open circuit output in accordance with UL 1786, Para. 11.6.3



Environmental

Operating Temperature: 15-40 °C
Relative Humidity Range: 0-90% non-condensing

General

Dimensions: 17" wide x 18" high x 17" in deep
Product Package: • Megapulse 1786
Standard Configuration: • High Voltage Test Leads Qty 2
• NIST traceable calibration certificate to ANSI Z540
• Calibration waveforms

Options

MPXXX: Different Line voltages, replace on the part number xxx for 100, 110, 220, 230 or 240 depending the line voltage. (120V for standard configuration)

00-TMM: Testminder USB computer interface software. The tester can be controlled with a computer. It can also be set to automatically follow test sequences and keep a record with test information. Compatible with Windows 32bit platform.

CDN220: For 220V Testing. Output and CDN rated 220V/50Hz/3A.