

MegaPulse 10x700-7 IMPULSE TESTER FOR EN60950

FAST - SAFE - RELIABLE



120V version, may be equipped with the 1000:1 BNC output (for reference only)



IEC 65 Switch option



240V version in 3U enclosure; also used for 120V versions with Insulation Fault Detection or TestMinder Computer operation. (A 6U enclosure is used when the IEC 65 switch is ordered.)

HIGH VOLTAGE IMPULSE GENERATOR

Surge testing for En60950, Annex N, Table N.1, Line 1 for Data Processing Equipment. Supports the Australian Deviation which requires a 7kV test.

Continuing the Compliance West USA notion that smaller and cheaper is better if the job gets done. We continue our line of surge testers by providing a surge tester for the 10x700uSec tests in EN 60950, Annex N. The tester is in spec for the range of 1kV to 7 kV.

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FEATURES

MegaPulse 10x700-7

7kV output to perform tests noted in EN 60950, Annex N, Table N.1, Line 1, Including the Australian Deviation.

The output of this tester is specifically designed for testing in accordance with EN 60950, Annex N, Line 1. Voltage U_c , which is the charge voltage of the bulk capacitor, is shown on the front panel meter. The output is exactly that anticipated by the component values shown in Figure N.1, assuming perfect components. Virtual output impedance 40 ohms. Charge time < 15 sec. The MegaPulse 10x700-7 ships with cables, graphs of theoretical and actual waveforms, and a Calibration Certificate. One year warranty. One year calibration cycle.

SPECIFICATIONS

- Model: MegaPulse 10x700-7.
- Complies with the requirements of EN 60950, Annex N, Figure N.1 and Table N.1, Line 1.
- Voltage open circuit: 1.0-7kV.
- Accuracy: +/- 3%, No load voltage waveshape 10x700uSec.
- Pulse front time: 10us +/- 30% (1.67 times between 30% and 90%), per IEC 61180.
- Pulse time to half value: 700us +/- 20%, per IEC 61180.
- Internal virtual resistor: 40 ohms.
- Polarity: Pos / Neg.
- Trigger: Manually or PC automation. (optional)
- Lead time: 6- 8 weeks.
- Input Power: AC120V / 60 Hz. (other optional)
- Weight: 20 lbs.
- Dimensions: 11-1/2" x 13" x 5" (120V in), 3U x 17" x 17" (240V in), 6U x 17" x 17" (IEC switch)

ENVIRONMENTAL

Operating temperature: 15-40 C

Relative Humidity Range: 0-90% non-condensing

AVAILABLE OPTIONS

- Option IER: IEC 65 Figure 7b switch.
- Option 240: 220-240V 50/60 Hz operation.
- Option BNCV: 1000:1 BNC Output.
- Option IFD: Insulation Fault Detection Circuit.
- Option TMM: TestMinder Computer Control.

Compliance West USA

2120 Jimmy Durante Blvd.

Del Mar, CA 92014

Phone: (858) 481-6454 Fax: (858)481-8527

E-mail: sales@compwest.com

Visit us at: www.compwest.com

