

MegaPulse SERIES IMPULSE TESTERS

FAST • SAFE • RELIABLE



HIGH VOLTAGE IMPULSE GENERATOR

MegaPulse 1.2x50-12.3 500 ohm:
IEC60060-1/ PM323E allow testing to determine spacing. The test parameters require surge voltages of up to 12kV. The MegaPulse 1.2x50-12.3 500 ohm is built specifically to conduct these tests. It uses our proprietary High Voltage relay, built to complete compliance with the requirements.

CALRIGHT INSTRUMENTS
The Right Source For Your Test & Measurement Needs

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Features

MegaPulse 1.2x50-12.3 500 ohm:

In addition, for automated testing, the MegaPulse 1.2x50-12.3 500 ohm is available with TestMinder, our computer control and test reporting option, and Arc Detection, which can detect and report an insulation failure. When both of these options are ordered together, the computer-generated test report will advise which tests passed and which failed.

Same as the tester above, except with a 12kV output to perform all tests noted in IEC60060-1. The output impedance is below/near 500 ohm, in accordance with the standard, and the tester will charge with an interval of at least 1 sec between the impulses in accordance with the fastest repetition rate allowed by the Standard. The MegaPulse 1.2x50-12.3 500 ohm ships with cables, graphs of theoretical and actual waveforms, and a Calibration Certificate. One year warranty. One year calibration cycle.

Specifications:

Output: 1.2 μ Sec rise time and 50 μ Sec fall time as specified in IEC 60060-1, clause 19 "Standard Lightning Impulse".
Voltage Rise Time: +/- 30%, Per IEC 61180
Voltage Fall Time: +/- 20%, Per IEC 61180
Source Impedance : 500ohm
Voltage open circuit: 0.4-12KV, +/- 10% , Polarity: Pos / Neg
Mode of Operation : Manual; or buy option automatic and pulse train management with TestMinder
Charge Time : <3 sec
Input Power: AC120V/ 60 Hz (other optional like AC240V)
Dimension: 6Ux17in Tester, 5" by 12" by 12" power supply

The MegaPulses are used with a general purpose oscilloscope for waveform capture and evaluation. The MegaPulse 1.2x50-12.3 500 ohm is designed to the requirements of IEC 60060-1 and is used test Connectors in accordance with VDE PM323E and Electricity Metering Equipment in accordance with EN 62052-11, Clause 7.3.2 at up to 12kV, among others.

Option TMM: Computer control/automated testing

Option IFD: Insulation Fault Detection Circuit

Option 3C: 0.5J output at 1500, 6000 and 8000V

Option BNCV: 1000:1 BNC Voltage output (Reference only)

Option P6015A: High accuracy Tektronix 1000:1 probe for proper waveform measurement