

Electrical Fast Transient Generator

EFTG 4510

Output Voltage:
0.2 - 5 kV

Burst Frequency:
1 kHz - 1000 kHz

EMC Test acc. to
IEC 61000-4-4 : 2012



The Electrical Fast Transient Generator EFTG 4510 is a compact EMC test unit for testing electromagnetic immunity against electrical fast transients. The generator provides burst-pulses, which are adjustable in frequency, amplitude, duration and repetition rate. It is suitable to test the susceptibility levels of electrical systems and installations full compliant to IEC 61000-4-4.

The generator excels by its compact design, simple handling and precise reproducibility of test impulses. The Generator comprises a one phase Coupling-/Decoupling Network, which allows the superposition of bursts to the power supply lines of the equipment under test.

It features a microprocessor controlled user interface and a 5" touch screen unit for ease of use. The microprocessor allows to execute either standard test routines or a "user defined" test sequence. A standard USB port provides the ability to print a summary of the test parameters to a USB stick.

The software program EFTG-REMOTE allows full remote control of the test generator via Ethernet light guide as well as documentation and evaluation of test results, accordingly to the IEC 17025. To record definite impulses, it is equipped with an Impulse Recording Function (IRF).

Additional coupling-/decoupling networks for power lines and data lines and a coupling clamp can be offered.

