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■ product catalogue: eft

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Bursts or EFTs (electrical fast transients) are caused by operation of electro-mechanical switches, motors and distribution switch-gear connected to the power distribution network. A typical burst consists of a large number of recurring impulses at high frequency for a short time period.

To cover EFT/Burst test requirements from 100V to 8kV, we offer two basic stand-alone products, PEFT 4010 and PEFT 8010. EFT/Burst tests up to 4.2kV can also be carried out with the Haefely EMC compact test station ECOMPACT 4.

All our EFT/Burst generators are 100% compliant to the latest standards, including the [IEC/EN 61000-4-4 edition 2](#), which is mandatory from October 2007.

■ PEFT 4010

The PEFT 4010 is a complete stand-alone EFT/Burst generator designed to meet the requirements of IEC/EN 61000-4-4 edition 1 & 2. It covers a voltage range from 100V to 4.8kV, and has an integrated 16A single phase CDN. Depending on your test requirements, we offer a number of options and accessories to fully cover your needs, these include three phase 32A and 100A CDNs, capacitive coupling clamps, verification equipment, and various other valuable accessories necessary for a complete EFT test setup.



► Features

- impulse voltage up to 4'800V
- spike frequency 1Hz to 2MHz
- 5 burst modes
- 12'000 impulses per second
- integrated 16Aac/10Adc CDN
- internal or external burst synchronisation
- parameter modification while a test is running
- 18 program and 18 test memory locations with battery backup
- control of PEST 1610 ESD generator
- Centronix printer interface
- hand held remote control unit

► One solution for:

IEC/EN 61000-4-4 edition 1 & 2, ETSI 300 386-2, Bellcore-1089/section 9.10.5

► Benefits

- Consistent pulse parameters
- Fully automated by [WinFEAT&R](#) control
- Totally reproducible test results

► Questions ?
Please contact us!

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■ PEFT 8010

The PEFT 8010 is a complete stand-alone EFT/Burst generator designed to meet the requirements of IEC/EN 61000-4-4 edition 1 & 2. It covers a voltage range from 1000V to 7.3kV, and has an

accessories

■ IP4A - Capacitive Coupling Clamp

The IP4A is a capacitive coupling clamp for superposition of bursts on data lines in accordance with IEC/EN 61000-4-4.

- maximum cable size 40mm
- minimum test cable length 1m
- maximum EFT voltage 8kV
- coupling plane mounted on 0.1m insulation block
- handy carrying handle



concept, which offers such simplicity of use, that even users with minimum technical experience, will by carrying out tests in no time.


This unique software allows users to run user specified or pre-defined tests according to the latest standards, and monitors and displays real time output current and voltage values. The software runs under all latest Microsoft Windows versions and is compatible with all stand alone Haefely EMC test generators.

■ IEEE 488 interface

GPIB interface board for the PEFT4010 mainframe

■ Fiber optic interface

WinFEAT[®] 4

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■ External Warning Lamp

Connected to any generator, the additional, stand-alone widely seen warning lamp indicates clearly the status of the test equipment by red & green lights.

■ External Emergency Stop Switch

Connected to any generator, the EMERGENCY STOP SWITCH, when activated instantly discharges high voltage circuits and switches off power to the EUT.

