POWER FAIL SIMULATOR
PFS 2516

Compact EMC-tester acc. to following standards:

IEC 61000- 4-11 : 2004
VDE 0847- 4-11

Voltage dips and Voltage variation

The Power Fail Simulator PFS 2516 is a compact EMC test unit designed for testing electromagnetic immunity against interruption and variation of the power supply voltage acc. to IEC 61000-4-11. Demonstrating such immunity is generally a requirement of the European EMC directive, a necessary step leading to the final attachment of the CE mark.

The simulator essentially consists of a motor-driven variac and two trigger able mains voltage switches. The variac is used to generate a variable power supply voltage or even a fixed voltage. The trigger able switch is used to operate the test device from the nominal mains voltage or another mains under-voltage, which is generated by the variac.

The power fail simulator excels by its compact design, simple handling and precise reproducibility of tests. 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.
Combined with the external Induction Coil HI 100, the unit can be used to simulate power frequency magnetic fields according to IEC 61000-4-8.

TECHNICAL SPECIFICATIONS	**PFS 2516**
Motor-driven variac: output voltage, adjustable	0-250V
Rated current	16A
Mains voltage switch: Rated current	16A
Inrush current, max.	500A
Monitor output for mains voltage and mains current	Built-in
Display of mains voltage, mains current and inrush current	
OPTION 1: Software PFS-2516 for remote control 5 m fibre-optic cable and PC-interface	