

POWER FAIL SIMULATOR

PFS 2516

**Compact EMC-tester
acc. to the following
standards:**

**Voltage dips and
Voltage variation**

**IEC 1000-4-11
EN 61000-4-11
VDE 0847-4-11**



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 1000-4-11. Demonstrating such immunity is generally a requirement for compliance with the requirements 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.

Power Fail Simulator PFS 2516 features a microprocessor controlled user interface and display unit for ease of use. The microprocessor allows the user to execute either standard test routines, or a 'user defined' test sequence. The test parameters, which are shown on the built in display, are easily adjusted by means of the rotary encoder. A standard parallel interface provides the ability to print a summary of the test parameters whilst testing is being carried out.

Moreover, all simulator functions may be computer controlled via the isolated optical interface. The software program PFS-2516 allows full remote control of the simulator and documentation and evaluation of test results.

Combined with the external Induction Coil HI 100 the unit can be used to simulate power frequency magnetic fields according to IEC 1000-4-8, please see also CE-ACC.DOC.

Technical specification:

PFS 2516

Motor-driven variac: Output voltage, adjustable	0 - 250 V
Rated current	16 A
Mains voltage switch: Rated current	16 A
Inrush current, max	500 A
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