

Single-phase Power Failure Simulator **PFS 2225S**



- IEC 61000-4-34
- GB/T 17626.34

Features

- > 5.7-inch color touchscreen for front panel operation
- > Voltage and current measurement and acquisition
- > Built-in multifunctional test module combination
- > Ethernet RJ45 interface for PC remote control and test report printing
- > Support test sequence function

Introduction

The PFS 2230SV Power Failure Simulator is designed in accordance with IEC 61000-4-34 and IEC 61000-4-11. It simulates voltage dips, short interruptions, and voltage variations caused by power grid or substation faults and sudden load changes.

The PFS 2230SV is used to verify whether electrical and electronic equipment can operate safely under such disturbances. The series features controllable semiconductor switches capable of withstanding high inrush currents, as well as electronic short-circuit protection.

Application Areas



Technical Parameters

EUT Voltage	220 V AC
EUT Continuous Current	25 A
Voltage Dip and Interruption Interval	50 ms ~ 50,000 ms
Test Duration	1 ~ 9,999 s
Voltage Dip and Interruption Rise/Fall Time	1 μ s ~ 5 μ s (100 Ω load)
Synchronization	0° ~ 360°, 1° step setting or random mode
Voltage Variation	0% ~ 100%

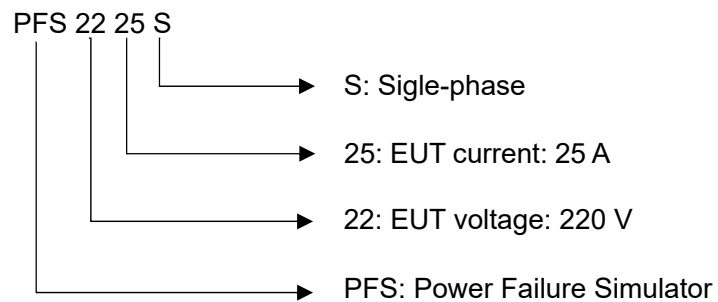
General Parameters

Display Screen	5.7-inch TFT touchscreen
Working Power	AC 110 V ~ 220 V $\pm$ 10%, 50/60 Hz
Fuse	6 A
Max. Power Consumption	300 W
Storage Space	Infinite (PC)
Communication Mode	Ethernet LAN, RJ45
Auxiliary Interface	D-sub 25p
External Trigger Input	BNC, 5 V TTL
CRO Trigger Input	BNC, 5 V TTL
Operation Trigger Input	BNC, 5 V TTL
External Synchronization Input	45 Hz ~ 65 Hz 20 ~ 500 V between the same-polarity and opposite-polarity terminals 0 ~ 500 V between the terminals and chassis
Warning Lamp Output	0 ~ 220 V AC, 10 A / 0 ~ 48 V, DC 3 A Power supply depends on the type of external signal lamp
Dimension	22 U rack, 600 (L) * 1,250 (W) * 800 (H) mm
Weight	Approx. 120 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

PFS Simulator, Power Cable, EUT Power Supply Cable, Network Cable, User Manual

Naming Rules



SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



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