

Power Fail Simulator

PFS 13010S

- IEC/EN 61000-4-11
- GB/T 17626.11

Features

> 5.7-inch color TFT touch screen
> Support single-phase AC EUTs rated up to 1,300 V, 12 A
> Support current measurement
> Support voltage/current limiting and overvoltage/overcurrent protection
> Support test sequence for voltage interruption and voltage dip tests
> Support PC remote control and test reports printing via Ethernet RJ45 port

Introduction

The PFS 13010S Power Fail Simulator is designed in accordance with IEC/EN 61000-4-11. It can simulate voltage dips and short interruptions caused by faults in public or non-public networks or in installations by sudden changes of large loads. It supports single-phase AC EUTs with ratings up to 1,300 V and 12 A.

Equipped with a controllable semiconductor switch, the PFS 13010S can withstand inrush current up to 500 A and provide electronic short-circuit protection. It can also support remote control via PC software over an Ethernet connection (RJ45).

Application Areas



Technical Parameters

Max. EUT Voltage	AC 1,300 V (L-N) single-phase, 50/60 Hz
EUT Current	12 A cont. 15 A for 5 s 25 A for 3 s
Withstand Inrush Current	500 A
EUT Current Measurement	LCD display
Short Interruption Level	0%
Duration Time for Dips and Interruption	0.3 ~ 9,999 cycles or 10 ms ~ 99,999 ms
Interval Time for Dips and Interruption	50 ms ~ 60,000 ms
Counter	1 ~ 9,999
Rise and Fall Time for Dips and Interruption	1 μs ~ 5 μs (with 100 Ω resistive load)
Sync	0° ~ 360°, 1°step or random mode
Trigger Mode	Manual, automatic and external trigger input
Protection	Support protection for overcurrent, overvoltage, short-circuit, overtemperature, surge, burst, ESD and ports (optional)

General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	AC 220 V ± 10%, 50 Hz/60 Hz
Fuse	6 A
Max. power consumption	500 W
User storage Space	Infinite (PC)
Communication Mode	Ethernet (RJ45)
External Trigger Mode	BNC, 5 V TTL
CRO Trigger Mode	BNC, 5 V TTL
Operating Control Input	BNC, 5 V TTL
External Sync Input	45 Hz ~ 65 kHz Voltage between terminals: 20 V ~ 500 V Voltage between each terminal and the chassis: 0 V ~ 500 V
Safety Circuit	Stop work when safety circuit is open
Failure Detection	LCD display in front panel and stop work when failure occurs
Working Status Indication	LED indication and LCD display in front panel
Grounding Method	Flat grounding wire
Dimension	22U rack, 600 (W) ×1,250 (H) × 800 (D) mm
Weight	Approx. 230 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

User Manual, Power Cord, Test Cable, Fuses, Grounding Wire, RF Cable

Optional Accessories

1	Remote Control Software	Model: CoreLab > Support Windows 7/8/10 /11 operating systems > Supports Ethernet and serial communication > Supports scheduling and test sequence, easy for operation, generate & export test report	

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