



# DC Power Failure Simulator

## PFS 2230D

- IEC 61000-4-29:2000
- GB/T 17626.29:2006

### Features

- > 5.7-inch color touch screen front panel operation
- > Ethernet RJ45 interface, used for PC remote control, printing test reports
- > Equipped with current protection function, the maximum output current (steady-state) is 30A
- > No internal power supply

### Introduction

The PFS 2230D DC power supply fault simulator meets the standards IEC 61000-4-29 and GB/T 17626.29. It is a generator device that simulates voltage dips, short interruptions, and voltage changes at the input port of DC power supply. It is an intelligent control test device designed specifically for anti-interference testing and testing of DC systems. It adopts the latest embedded system control and measurement technology in technology, and all control and measurement functions are automatically implemented, greatly simplifying the system composition and greatly improving the reliability of the system. The unique LCD display interface has excellent human-machine dialogue function, convenient and simple operation process, and intelligent characteristics.

### Application Areas



### Technical Parameters


Rated Voltage	DC 220 V
Voltage Dips/Surge Voltage	0% ~ 120%
Voltage Dips/Interruption Duration	1 ms ~ 9,999 ms
Voltage Dips/Interruption Intervals	50 ms ~ 50,000 ms
Voltage Dips/Interruption Testing Time	1 ~ 9,999
Voltage Rise/Fall Time	1 $\mu$ s ~ 50 $\mu$ s (when load impedance of generator is 100 $\Omega$ )
Upper/Lower Overshoot of Output Voltage	< 10% of voltage variation (when load impedance of the generator is 100 $\Omega$ )
Maximum Output Current (steady state)	$\leq 30$ A
Output Port	4 mm banana socket
Load Adjustment Rate	<5% (rate of change of the voltage with the load, 0 to rated current)
Output Impedance When Disconnected	>100 k $\Omega$
<b>Attention: No internal power supply</b>	

### General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	AC 220 V $\pm$ 10%, 50/60 Hz
Fuses	6 A
Maximum Power Consumption	1,000 W
Memory Space	Unlimited (PC)
Communication Methods	Ethernet LAN, RJ45
Working Status Indication	Front panel LED indication, LCD display
Grounding Connection Method	Use a flat grounding wire
Dimension	Host 19 inches/4U 450 mm(W)*190 mm(H)*620 mm(D)
Weight	Approx 24 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45%~75%, RH (no condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

### Standard Accessories

Power Cord, Test Wire, Grounding Wire, Fuses, RF Cable, User Manual, Inspection Report, Product Warranty Certificate

Optional Accessories	1	Immunity Testing Software	<p>Model: CoreLab</p> <p>Compatible with Windows 7/8/10/11 operating systems. Supports Ethernet interface and serial communication mode. Support parameter scheduling testing, testing sequences, one click testing, easy operation. Customer information can be set, test reports can be automatically generated, and export of test reports is supported, making it convenient for users to record real-time data.</p>	
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