

DC Power Failure Simulator

PFS 2205D



- IEC 61000-4-29
- GB/T 17626.29

Features

- > 5.7-inch color touchscreen for front panel operation
- > Built-in multifunctional test modules
- > Support test sequence function
- > Support test report printing
- > Ethernet RJ45 Interface, PC Remote Control

Introduction

The PFS 2205D DC Power Failure Simulator complies with IEC 61000-4-29, and is designed to simulate voltage dips, short interruptions, and voltage variations at DC power input ports. It is an intelligent test system developed for immunity testing of DC systems.

The PFS 2205D features embedded system control and measurement technology, enabling fully automated operation and measurement, which simplifies system configuration and improves reliability. Its user-friendly LCD interface provides simple and intuitive operation.

Application Areas



Technical Parameters

Rated Voltage	DC 220 V
Voltage Dip/Surge Voltage	0 ~ 120%
Voltage Dip and Interruption Duration	1 ms ~ 9,999 ms
Voltage Dip and Interruption Interval	50 ms ~ 50,000 ms
Test Duration	1 s ~ 9,999 s
Voltage Rise/Fall Time	<50 μ s @ Generator load impedance 100 Ω
Output Voltage Overshoot/Undershoot	< 10% of the voltage change @ Generator load impedance 100 Ω
Repetition Time	50 ms ~ 50,000 ms (the minimum time depends on the test voltage)
Max. Output Current (Stable)	≤ 5 A
Ripple content	< 1% of the rated output voltage
Load regulation	< 5% (0 ~ rated current)
Output impedance during interruption	> 100 k Ω

General Parameters

Display Screen	5.7-inch TFT touchscreen
Working Power	AC 110 V/220 V $\pm$ 10%, 50/60 Hz
Fuse	10 A
Max. Power Consumption	1,000 W
Storage Space	Infinite (PC)
Communication Mode	Ethernet LAN, RJ45
Working Status Indication	LED indication and LCD display on the front panel
Dimension	22 U rack
Weight	Approx. 80 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

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