

DC Power Failure Simulator

PFS 4525D



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

Features

- > 5.7-inch color touchscreen for front panel operation
- > Built-in multifunctional test modules
- > Built-in DC power supply, no external input
- > Support test sequence function
- > Support Ethernet RJ45 interface for PC remote control and test report printing

Introduction

The PFS 4525D DC Power Failure Simulator is designed to simulate voltage dips and short interruptions at DC power input ports. It is an intelligent test system developed for immunity testing of DC systems.

It features advanced embedded control and measurement technology, enabling fully automated operation and measurement, which simplifies system configuration and improves reliability. Its user-friendly LCD interface provides intuitive and easy operation.

Application Areas



Technical Parameters

Rated Voltage	DC 450 V
Voltage Dip/Surge Voltage	0 ~ 120%
Voltage Dip and Interruption Duration	1 ms ~ 99,999 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
Display Accuracy	Voltage: 1% $\pm$ 0.3 V Current: 1% $\pm$ 0.5 A
Max. Output Current (Stable)	$\leq$ 25 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. 168 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

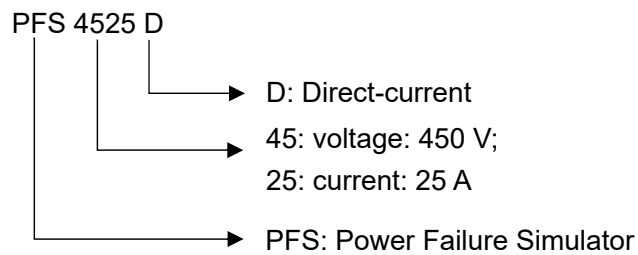
Standard Accessories

Main Unit, Power Cord, Test Cable, Flat Grounding Wire, Fuse, User Manual

Optional Accessories

1	Immunity Test Software	Model: CoreLab > Support Windows 7/8/10 /11 > Supports Ethernet and serial communication modes > Supports parameter sequence, test sequences, easy for operation > Supports customer information configuration and automatic test report printing.	
---	------------------------	--	---

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



3CTEST is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.