



DC Power Failure Simulator

PFS 10075D

- 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 Ethernet RJ45 interface for PC remote control and test report printing

Introduction

The PFS 10075D DC Power Failure Simulator complies with IEC 61000-4-29, and is designed to simulate voltage dips and short interruptions at DC power input ports. It is an intelligent control test device specially developed for immunity testing and evaluation of DC systems.

The PFS 10075D DC adopts embedded system control and measurement technologies, enabling fully automatic implementation of all control and measurement functions. This greatly simplifies the system configuration and significantly improves system reliability.

The unique LCD display interface provides excellent human-machine interaction, making the operation process simple and convenient while offering intelligent control features.

Application Areas



Technical Parameters

Rated Voltage	DC 200 V ~ 1,000 V (depend on the external Power Supply)
Voltage Dip/Surge Voltage	0 ~ 120% (depend on the external Power Supply)
External Input	2×Power supplies: Max. 1,200 V DC/75 A
Voltage Dip and Interruption Duration	1 ms ~ 99,999 ms
Voltage Dip and Interruption Interval	50 ms ~ 50,000 ms (the minimum time depends on the test voltage)
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	1 ~ 9,999
Display Accuracy	Voltage: 1% $\pm$ 0.3 V Current: 1% $\pm$ 0.5 A
Max. Output Current (Stable)	$\leq$ 75 A
Ripple Content	< 1% of the rated output voltage (depend on the external Power Supply)
Load Regulation	< 5% (0 ~ rated current) (depend on the external Power Supply)
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	6 U rack
Weight	Approx. 35 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

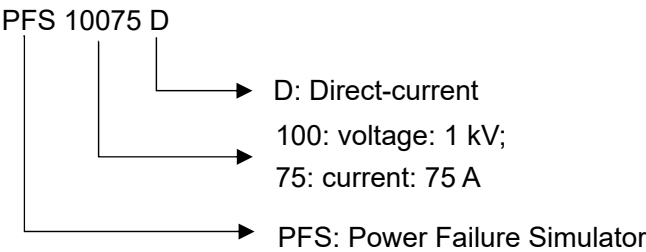
Standard Accessories

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.	
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Naming Rules



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