

CAR - PFS-80 I / II

Automotive Power Fail Simulator

- Voltage dips and interruptions
- Rise-/ fall times < 1µs
- Battery voltage: 80V DC
- Battery current: I: 50A / II: 100A



According to

LV 124

VDA 320 (LV 148)

Many manufacturer standards

The CAR - PFS-80 is an automotive power fail simulator, which is designed for performing fast voltage dips and drops (micro-interruptions) according to standard requirements, mainly from vehicle manufacturers.

The electronic switches in the generators allow switching times below 1 microsecond.

The generator contains two switches, which provide the standard operation modes:

A microprocessor-controlled 7" touch screen display unit is integrated and permits an easy operation of the generator.

The software program CAR-Remote permits the PC control of the generator via Ethernet and also allows the standardized documentation according to IEC 17025 and the evaluation of test results.

The user can use the standard test routines (ISO, VG, Car manufacturer specific) or define his own test sequences.

It is equipped with an Impulse Recording Function (IRF) to record definite impulses (with oscilloscope).

Furthermore, nearly all customer-specific impulse adjustments are possible by the flexible software control.

The CAR-PFS-80 excels by its compact design, simple handling and precise reproducibility of test impulses. Voltage switching is accomplished by means of a maintenance-free semiconductor switches.

Options	Description
CAR-REMOTE (Windows)	Remote control with Impulse Recording Function (IRF) Incl. Ethernet interface
PS xx-xx	External controllable electronic power supply, up to 70V and 50A / 100A
Relais module, 8 Relais	8A, 70V
CAR-PFS-R-CAL KIT	1Ω, 100Ω, 1kΩ (±1%)

Technical specifications:		CAR - PFS-80 I	/	II
Mainframe				
Microprocessor controlled touch panel		7", capacitive		
Ethernet Interface for remote control of the generator		built-in		
Interface for saving reports		USB		
External trigger input /output		no / 10 V		
Connector for external safety interlock loop		24 V=		
External red and green warning lamps acc. to VDE 0104		24 V=, 40 mA		
Mains power		90V - 264V, 50/60 Hz		
Dimensions	desk top case, W * H * D	450*180*500 mm ³		
Weight		15kg		
Automotive power fail simulator				
E.U.T. voltage, maximum		70V DC		
E.U.T. current, maximum		50A	/	100A
Short circuit protection		Amplifier limited		
Fall- and rise switching time		< 1µs		
Rated current / Inrush current, max.		> 50A	/	> 100A
Monitor output for mains voltage and mains current		built-in		
Initialization time		0 - 1000ms		
Wait time		1 – 1000s		
Duration		10µs – 10s		
ES module, 8 electronic switch-		2A, 70V, < 10µs switching time		
Short circuit protection		2A- T Fuse		

Schema

