

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	Remote control with Impulse Recording Function (IRF) (XP, WIN7, WIN10) over 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- Short circuit protection	2A, 70V, < 10μs switching time 2A- T Fuse		

Schema

