

PFS 200N

AUTOMOTIVE POWER FAIL SIMULATOR



FOR TESTS ACCORDING TO ...

- › BMW GS 95003-2
- › Chrysler PF 9326
- › DaimlerChrysler DC-10615 Rev. A
- › DaimlerChrysler DC-10842
- › Fiat 9.90110
- › Ford ES-XW7T-1A278-AB
- › Ford ES-XW7T-1A278-AC
- › Ford WDR 00.00EA
- › Freightliner 49-00085
- › Hyundai ES 39110-00
- › ISO 16750-2:2006
- › JASO D001-94
- › Mack Trucks 606GS15
- › Mitsubishi ES-X82010
- › Nissan 28401 NDS 02
- › PSA B21 7090
- › PSA B21 7110
- › Renault 36.00.808/--D
- › Renault 36.00.808/--E
- › Renault 36.00.808/--F
- › Renault 36.00.808/--G
- › Renault 36-00-808/--H
- › Toyota TSC3500G
- › Toyota TSC3590G
- › ...

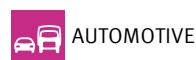
PFS 200N - AUTOMOTIVE POWER FAIL SIMULATOR FOR VOLTAGE DIPS AND INTERRUPTIONS

The PFS 200N Automotive Power Fail simulator is used to comply with standard requirements, mainly from vehicle manufacturers, to perform fast voltage dips and drops (micro-interruptions). Some standards specify very fast rise and fall times below 1 microsecond requiring an electronic switch.

HIGHLIGHTS

- › **STANDALONE TEST GENERATOR FOR VOLTAGE DIPS AND INTERRUPTIONS**
- › **RISE/FALL TIME 1US**
- › **ELECTRONIC SHORT-CIRCUIT PROTECTION**
- › **RATED VOLTAGE 60V DC**
- › **FRONT PANEL OPERATION**
- › **STANDARD TEST ROUTINES**
- › **USB AND GPIB INTERFACES**

APPLICATION AREAS



TECHNICAL DETAILS

PFS 200N MODELS

PFS 200N30	Power Fail Simulator 60V/30A
PFS 200N50	Power Fail Simulator 60V/50A
PFS 200N100	Power Fail Simulator 60V/100A
PFS 200N150	Power Fail Simulator 60V/150A
PFS 200N200	Power Fail Simulator 60V/200A

TECHNICAL DATA PFS 200N30

DUT voltage	Max. 60V for channels PF1/PF2
DUT current	Max. 30A for channels PF1/PF2
Switching time	1us (rise/fall time)
Peak current	70A for 500ms
Safety	Short circuit protection

TECHNICAL DATA PFS 200N50

DUT voltage	Max. 60V for channels PF1/PF2
DUT current	Max. 50A for channels PF1/PF2
Switching time	1us (rise/fall time)
Peak current	100A for 500ms
Safety	Short circuit protection

TECHNICAL DATA PFS 200N100

DUT voltage	Max. 60V for channels PF1/PF2
DUT current	Max. 100A for channels PF1/PF2
Switching time	1us (rise/fall time)
Peak current	150A for 500ms
Safety	Short circuit protection

TECHNICAL DATA PFS 200N150

DUT voltage	Max. 60V for channels PF1/PF2
DUT current	Max. 150A for channels PF1/PF2
Switching time	1us (rise/fall time)
Peak current	> 150A
Safety	Short circuit protection

TECHNICAL DATA PFS 200N200

DUT voltage	Max. 60V for channels PF1/PF2
DUT current	Max. 200A for channels PF1/PF2
Switching time	1us (rise/fall time)
Peak current	> 200A
Safety	Short circuit protection

TRIGGER

Automatic	Automatic release of the events
Repetition rate	100ms - 99s
Dip/drop duration td	1us, 2us, 10us - 9,999ms
Manual	Manual release of a single event
CRO Trigger	Trigger for oscilloscope, +15V edge
External	External release of a single event

TEST ROUTINES

Quick Start	Immediate start; easy-to-use and fast
Chrysler	Voltage Drop Out Voltage Dig Mechanical Switching
Ford	Drop Out High Drop Out Low Drop Out Single Power Dip
PSA/Renault	Micro Interruptions
Service	Service, setup, self test

GENERAL DATA

Dimensions, weight	19"/3HU, approx. 15kg; 19"/6HU, approx. 18kg for PFS 200N150 and PFS 200N200
Supply voltage	115/230V +10/-15%
Fuses	2 x T 1AT

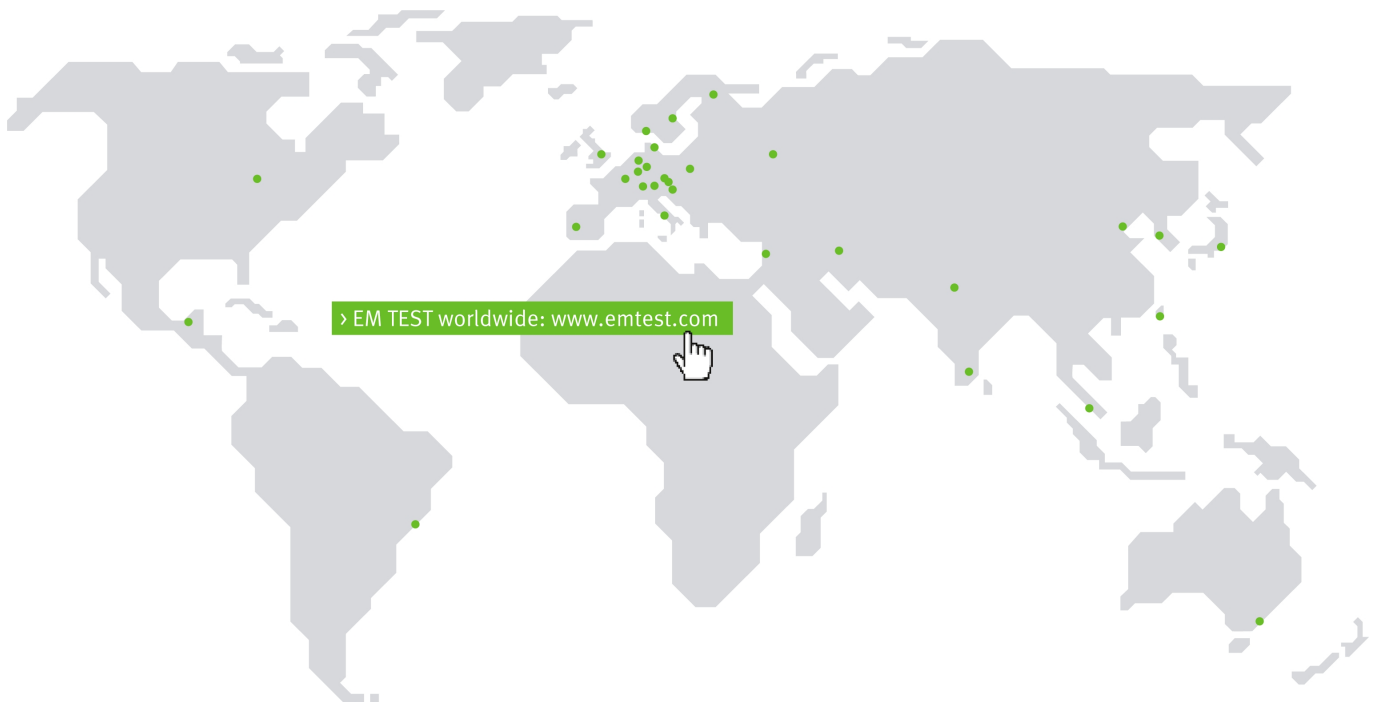
INTERFACE

Serial interface	USB
Parallel interface	IEEE 488, address 1 - 30
Analog interface	0-10Vdc to control an external dc source (e.g. RDS 200N)

OPTIONS

iso.control	Software to control the test, including standard library, test report facility and data conservation generator
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COMPETENCE WHEREEVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release.
 Technical data subject to change without further notice.