



Power Network Simulator

PNS 80C200

- ISO 21780
- GB/T 45120

Features

- > 5.7-inch color TFT touchscreen front panel operation
- > Ethernet RJ45 interfaces for PC remote control
- > Max. test voltage: 80 V (can be customized)
- > Max. test current: 200 A (can be customized)
- > Support voltage and current monitoring
- > Support overvoltage and overcurrent protection
- > Support external resistors and capacitors to meet more test requirement

Introduction

The PNS 80C200 Power Network Simulator is designed for Test-04: supply component load dump control test and Test-07 overvoltage with consumer components which may supply electrical energy specified in ISO 21780. This RC network can be used for simulating harness impedance and grid parasitic capacitance in 48 V vehicles.

The PNS 80C200 can be controlled by remote control software AutoLab, which enables users to carry out complete automated testing procedures conveniently.

Application Areas



Technical Parameters

Max. test voltage (V)	80 V
Max. test current (I)	200 A
Capacitance	100 uF ~ 1,100 uF (step 100 uF)
Internal Resistance	2 Ω ~ 62 Ω (step 2 Ω)
Switch-off Time of E-switch	$\leq 100 \mu s$
Input/ Output Terminal	High-voltage connector (DC $\leq$ 200 A)
External RC Terminal	4 mm banana socket
Safety Circuit	Power input is cut off once the emergency button is activated.

General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	AC 220 V, $\pm 10\%$, 50 Hz /60 Hz
Fuse	6 A
Max. Power Consumption	200 W
Communication Interface	Ethernet LAN, RJ45
Working Status Indication	Front panel LED indication
Grounding Method	Flat grounding wire
Dimension	6 U rack, 450 mm(W)*280 mm(H)*620 mm(D)
Weight	Approx. 40 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, User Manual, Grounding Wire, Power Cord, Fuse

Optional Accessories

1	Remote Control Software	Model: AutoLab > Support Windows 7/8/10 /11 operating systems > Supports Ethernet > Supports scheduling and test sequence, easy for operation > Supports single test and sequence test reports printing, and user-defined templates > Supports emergency stop for safe test	
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