

Switching Power Supply ATS

Model No. **8200**



Chroma Power Supply Auto Test System model 8200 provides complete solution for PC ATX power supply, adapter and battery charger testing. The application oriented system structure makes it the most cost effective test equipment for initial test in power supply production line.

To meet the power supply test requirements, Chroma Power Supply Auto Test System model 8200 has built in 20 ready-made test items. Users can simply enter the test conditions and test the power supply features while proceeding.

With the report and management functions, Chroma Power Supply Auto Test System model 8200 is able to provide versatile tools to establish test documents and perform system administration.

Meanwhile, Chroma Power Supply Auto Test System model 8200 can be upgraded to Chroma model 8000, the ultimate power supply auto test system, to fit the future test needs by changing system software and adding new hardware devices.

ORDERING INFORMATION

- 8200** : Switching Power Supply Auto Test System
- 8125** : Extended Controller
- A820001** : PCI Bus AD Card
- A800005** : PCI Bus GPIB Card (National Instrument)
- A600009** : GPIB Cable (200 cm)
- A600010** : GPIB Cable (60 cm)
- A600002** : 19" Rack for Model 8200
- A820002** : 8200 software Package
- A600011/A800027** : Test Fixture for Model 8200
- A600013** : Adapter for A600011/A600012 Test Fixture (PC Standard)
- A600014** : Adapter for A600011/A600012 Test Fixture (Terminal Block)
- DC Load Module**: Refer to Model 6310A, 6330A Series
- AC Source** : Refer to Model 6400, 6500, 61500, 61600 Series

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KEY FEATURES

- User editable test program
- User editable report format
- User authority control
- Release control
- Activity log
- Comprehensive hardware modules provide high accuracy repetitive and measurements
- High test throughput by system default test items
- Cost effective
- Windows 98/NT/2000 or higher based software

TEST ITEMS

1. DC output voltage
2. DC output current
3. Voltage regulation
4. Current regulation
5. Turn ON time
6. Hold-up time
7. Power good signal
8. P/S ON signal
9. Efficiency
10. Input RMS current
11. Input peak current
12. Input power
13. Input power factor
14. Short circuit test
15. Short circuit current
16. OV protection
17. OL protection
18. OP protection
19. In-test adjustment

SPECIFICATIONS

Accurate and highly reliable hardware devices :

System Controller	
MODEL	PC/IPC
CPU	Pentium III 600 or faster
SRAM	256KB
DRAM	512MB or higher
Hard drive	8.3GB or higher
CD-ROM	40X or faster
Monitor	15"
Keyboard	101 keys
I/O	Mouse/Print port
System Interface	GPIB/RS-232
System I/O	DIO Card
GPIB board	NI-PCI GPIB Card

Electronic Load	
MODEL	6310A/6330A series
Load mode	CC/CR/CV
Power rating	30-1200W
Voltage range	1-500V
Current range	Up to 240A
Slew rate	Up to 10A/uS
Measurements	Voltage/Current
Monitoring output	No
Current share measurement	No
Noise measurement	No
Voltage sense input	Yes

* Please refer to respective product catalogs for detail specifications.

Extended Controller	
MODEL	8125
Input channels for timing	8 differential
Timing accuracy	40 uS
Controllable TTL bits	16
Input circuit	Differential input
Input impedance	10M ohm
Output channels for OVP	3
OVP voltage	8V/4.8V/16V
Maximum current	3A/Channel

AC Source				
MODEL	6400 series	6500 series	61500 series	61600 series
Power rating	375-9000VA	1200-9000VA	500-18000VA	500-18000VA
Voltage range	0-300V	0-300V	0-300V	0-300V
Output phase	1 or 3 phase	1 or 3 phase	1 or 3 phase	1 or 3 phase
DC output	No	No	Yes	Yes
Output measurement	Yes	Yes	Yes	Yes
Harmonic measurement	No	No	Yes	No
Waveform simulation	No	Yes	Yes	No
Programmable impedance	No	No	Yes	No
Harmonic synthesis	No	Yes	Yes	No
Inter-harmonic synthesis	No	No	Yes	No

* Please refer to respective product catalogs for detail specifications.