

Adapter/Charger ATS

Model No. **8020**



15U

Adapter/Charger ATS Model 8020

KEY FEATURES

- Be able to test multiple UUTs concurrently that improve productivity significantly
- Equipped with both of the test performance of 6000 ATS and the flexible hardware architecture of 8000 ATS
- Provide optimized standard test items for the Unit Under Test (adapter/charger) to deliver excellent test performance
- Easy-to-use software function specially designed to meet the production line needs
- Flexible software platform with the following functions
 - Test Program editor
 - Test Report format editor
 - Test Report Generator
 - Statistics Analysis Report editor
 - User level setting
 - Release control
 - Activity log
 - Supporting bar code reader
- New test items and extended hardware are able to expand to fulfill the new requirements for the PC industry
 - Average efficiency test that complies with Energy Star
- Rack specially designed more meet to the production line
- Windows 98/2000/NT/XP software platform

Chroma 8020 Adapter/Charger ATS is the best test system for testing Adapter and Charger in the production line. 8020 is able to test multiple UUTs concurrently that improve productivity significantly, the hardware architecture is also as flexible as Chroma 8000 ATS. There are many hardware devices available for selection such as AC Power Supply, Electronic Load, Timing/Noise Analyzer and Power Meter.

Chroma 8020 has standard test items specially customized and optimized for the features of Adapter and Charger that provides excellent test performance to meet the requirements of mass production. Meanwhile, the software equipped is very friendly and easy to operate that is suitable for production line use.

New test items and extended hardware are expanded to Chroma 8020 ATS for the new test requirements in the Adapter/Charger industry, such as average efficiency to comply with Energy Star requirement, and etc.

Chroma 8020 ATS runs under the easy-to-learn Windows 98/2000/NT/XP environment with a specialized power test system for test engineers so that they can utilize the Windows resources easily.

Optimized Test Items

OUTPUT PERFORMANCES

- DC output voltage
- DC output current
- DC output power
- Peak-to-peak noise
- RMS noise
- Efficiency
- In-test adjustment
- Overshoot voltage

INPUT CHARACTERISTICS

- Input inrush current
- Input RMS current
- Input power
- Input power factor
- AC cycle drop out
- Input voltage ramp

REGULATION TESTS

- Line regulation
- Load regulation

- Combine regulation
- Dynamic load regulation
- Sync. dynamic load regulation

TIMING AND TRANSIENT

- Power up sequence
- Rise time
- Fall time
- Power off time

PROTECTION TESTS

- Short circuit
- Over load protection
- Over voltage protection

SPECIAL TESTS

- Average efficiency test

SPECIAL FEATURE

- TTL signal control
- Relay control

ORDERING INFORMATION

- 8020** : Adapter / Charger ATS
80611 : Timing/Noise Analyzer
80611N : Timing/Noise Module
5004ATM : System Controller
A800004 : 19" Rack for Model 8020
A806102 : Digital Output Module
A802001 : 4+4 Multi-UUT Test Fixture
DC Electronic Load : Refer to Model 6330A Series
Digital Power Meter : Refer to Model 66200 Series
AC Source : Refer to Model 6500, 61500, 61600 Series
I/O Card : ADLink 7230



20U

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

Timing/Noise Analyzer	
MODEL	80611
NO. of input module	Up to 10
Noise measurement range	2V/0.4V
Low Pass Filter	Up to 20MHz
Input circuit	Differential input
Timing range	0-64 second
NO. of trigger input	6 sets
NO. of comparator	4 Input module
Controllable TTL bits	16 output / 16 input
Controllable floating relay	8
NO. of multiplex input	10
NO. of multiplex output	1 for DMM

Power Analyzer		
MODEL	66201	66202
NO. of input module	1	1
Power measurement range	12 ranges	24 ranges
Voltage measurement range	3 ranges	3 ranges
Current measurement range	4 ranges	8 ranges
Front panel display	Yes	Yes
Front panel editable	Yes	Yes
Harmonics measurement	No	Yes
Flicker measurement	No	No
Waveform measurement	No	Yes
Build-in regulation limit	No	No

* Please refer to respective product catalogs for detail specifications.

Electronic Load	
MODEL	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
Sync dynamic	Yes

* Please refer to respective product catalogs for detail specifications.

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

* Please refer to respective product catalogs for detail specifications.

Solar Cell Test Equipment
 Semiconductor/IC Test Equipment
 LED Test Equipment
 LCD/LCM Test Equipment
 Video & Color Test Equipment
 Optical Inspection Equipment
 Power Supply Test Equipment
 Passive Component Test Instruments
 Electrical Safety Test Instruments
 General Purpose Test Instruments
 PXI Instruments & Systems