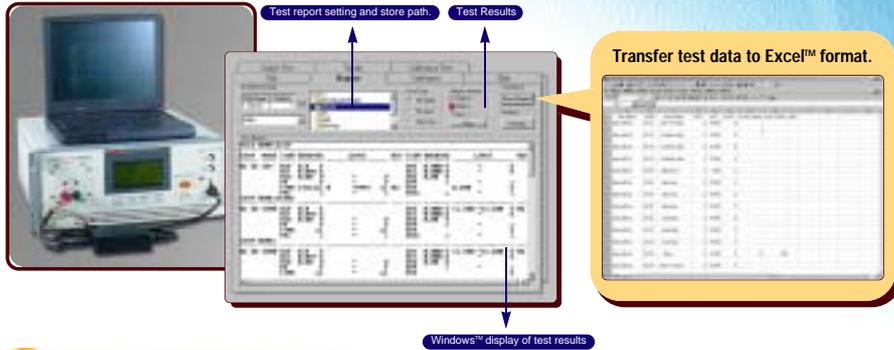


Test reports are Excel™ compatible and can be edited for custom test report format requirements.



3610A Specification

Electronic Load : This unit may be modified for custom designs upon request.

Input Rating	Power	75W	300W
	Current	0-15A	
Voltage		60V	
		0-15A	
CC Mode	Accuracy	±0.2% of (Setting + Range)	
CR Mode	Accuracy	0.213-4-15KΩ	
CV Mode	Accuracy	±0.2% of (Setting + Range)	
CP Mode	Accuracy	0-60V	
DVM	Accuracy	±0.1% of (Setting + Range)	
DAM		0-75W	0-300W
	Accuracy	±0.5% of (Setting + Range)	
PAR @ 2,20MHz		0.000-20.000/0.00-60.00V	
	Accuracy	±0.05% of (Reading + Range)	
Protection Testing		0.000-15.000A	
	Accuracy	±0.2% of (Reading + Range)	
OVP Voltage Source	Accuracy	0.00-0.500Vp-p Res. 1mV	
Over Current Test		± (2% of Reading + 5mV)	
Short (Programmable)		15A	
		Electronic+relay	

General :
 AC Power : 115/230Vac ± 10%
 AC Source Input : 115 / 230Vac
 Weight : 22Kg
 Dimensions : 483(W)x177(H)x445(D)

Accessories :
 Power Cord : 2 pcs
 9810A Application Software : 1 pc
 Operation Manual : 1 pc

Isolated AC Source (Built-in ultra fast current breaker)

Output Voltage	150VA, 50/60Hz	500VA, 50/60Hz
	*(Isolated)	*(Isolated)
90,115,132V	115V@1Arms	115V@5Arms
90,115,132,180,230,264V	230V@0.5Arms	230V@2.5Arms
AC Voltage Meter	0.0 - 300.0 Vrms	
Accuracy	±0.3% of (Reading + Range)	
AC Current Meter	0.000 - 1.000 Arms	0.000-5.000 Arms
Accuracy	±0.5% of (Reading + Range)	
AC Power Meter	0.00-100.00W	0.00-400.0W
Accuracy	±0.5% of (Reading + Range)	

* The specification of Electronic Load is 300W

Timing measurement and control

Set-up/Hold-up Time	0-9999ms
Accuracy	±1ms
Threshold Voltage	Vth
Input Range	0-60V
Setting Range	0.5-60.00V
Auto/Step Testing Time	
Tmeas.1-Tmeas.32	500.0ms-20Sec
Tdelay.1-delay.32	0.0ms-20Sec

Order Information :
 3610A : (75W) ATX Single Output Power Supply Tester
 3610A-01 : (300W) ATX Single OutPut Power Supply Tester
 3610A-XX : Custom 3610A
 (Serial numbers will be assigned according to custom specifications.)

Options :
 9901 : Integrated Twin Test Fixture
 OVP Power Source : 0.00-60.00V@2A
 Universal Test Fixture
 9932 : Remote Interface Key Pad
 (File 、 START、 STOP)



9932

3610A Automatic Power Supply Tester

For Single Output Power Supplies, Adapters and Chargers



charger



Battery



Adapter

Test Functions :

1. Hold-On Adjust
2. Load Regulation
3. Line Regulation
4. Combined Regulation
5. Efficiency
6. P-P Noise (PARD)
7. Set-Up / Hold-Up Time
8. OVP
9. OCP
10. Short

Features :

Test programs can be edited on a PC with the 9810A Application Software (Windows™ version) and downloaded to the 3610A for save and run.

Large LCD display shows test parameters, test results and model tracking information for the unit under test.

Built in hardware and software enables the 3610A to function as a stand-alone tester. PC assisted automatic testing is also possible.

Test reports can be printed out directly or stored in a PC via RS232 interface. Test data can be transferred to Excel™ file format for report customization.

Optional Twin Testing Fixture is designed to increase U.U.T. throughput.

3610A Automatic Single Output Power Supply Tester

Design Concept

Prodigit's 3610A Automatic Tester was designed for single output power supplies (e.g. adapters, chargers, AC/DC power supplies, etc.). It can be used as a stand-alone unit. The 3610A provides fast, accurate testing and a "Pass"/"Fail" report for the U.U.T. The user-friendly 3610A is a cost effective solution for your engineering, quality assurance and production testing requirements.

Key Features

150/500VA AC Source
75W/300W Programmable Load
OVP DC Source

Timing and PARD Measurement Capabilities.

The 3610A is able to test power supply input, output, noise timing and protection features. Load and line regulation can be tested separately or in combination. Static analysis with V-out% and PARD% can also be provided. As many as 30 test programs can be stored in the 3610A.

Testing can be done either automatically or in a step-by-step mode. Automatic testing is typically used in high throughput testing applications. Step-by-step testing is used for checking test settings or U.U.T. functions.

This tester provides great flexibility. Load specifications may be set at either the preset 300W or at any custom parameter up to 800VA by simply changing the AC source.

The 3610A uses the latest in Electronic Calibration technology. System software is stored in FLASH memory and can be upgraded via the RS232 interface. Users can request updated software versions as they are made available from Prodigi via e-mail. Updated versions can be downloaded directly to the tester.

Application

The 3610A is ideally suited for confirming electronic component specifications and functions for a broad range of power supply applications. Including: single output power supplies, mobile phones, battery chargers, adapters for notebook computers, PDA's, digital cameras, scanners, ADSL modems, printers, and electronic dictionaries.

The 3610A has a built in EEROM to store test programs and a large LCD display to show the PASS/FAIL function of the U.U.T. Test data can be printed out directly without using a computer or can be downloaded to a PC.

Load Regulation, Line Regulation, and Combined Regulation test results provide static analysis for V-out and PARD percentages.

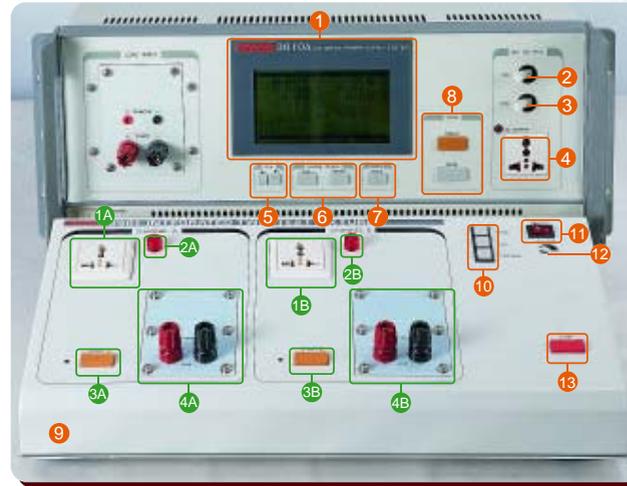
The optional 9901 Integrated Twin Test Fixture was designed for production applications. It integrates a dual U.U.T. fixture, START/STOP control key, PASS/TESTING/FAIL indicator and FAIL alert with adjustable volume. The dual test fixture allows continual testing which increases throughput volume. One unit will be testing while the user removes a tested unit and replaces it with a new unit to be tested.

9810A Application Software

User friendly Windows™ version 9810A software provides custom operation interface that allows editing of test parameters, uploading, downloading and printing of test data, 3610A operating system upgrades, and multi password protection.

Control and Interconnect Layout

Front Panels of 3610A and 9901 (Integrated Twin Test Fixture)



- The large LCD screen displays test parameters and test results.
- The selectable 180, 230, and 264V A.C. output control switch is equipped with an ultra fast current breaker
- The selectable 90, 115, and 132V A.C. output control switch is equipped with an ultra fast current breaker.
- AC Output Socket (source for U.U.T.)
- Test File Selection Key (scroll keys)
- Test Results Selection Key Print: Select either printer or RS232 mode.
Report: 1. (ALL) Results of all test data.
2. (ERR) Fail data.
3. (OFF) Display disabled.
- Test Function Selection Key Mode: Select either auto or manual (step-by-step) test.
- Test Control Switches (START) Begin Testing (STOP) Stop Testing
- Integrated Twin Testing Fixture
- Test Status Indicator
- 9901 Twin Test Fixture Power Switch
- Fail Alert Volume Control
- Stop Test Switch
- 1A 1B (U.U.T. Input) AC Output Connector
- 2A 2B AC Power On Indicator
- 3A 3B Start Test Key
- 4A 4B (U.U.T. Output) Test Fixture Connector



- A mouse may be used to display and select all test items.
- Windows of POP-UP

The required parameter from test items will be covered to avoid keying in unnecessary parameter so editing of test programs will be easier, quicker, and more convenient.

Rear Panel of 3610A



- AC Source Line Voltage Selection Switch (115V/230V)
- AC Sync Signal Output
- AC Source Frequency Switch (50Hz/60Hz)
- 3610A Line Voltage Selection Switch (115V/230V)
- AC Source Input
- Auto AC Current Breaker
- Remote Input Port (Start, Stop, File Select)
- Test Status Output Port (Testing Pass Fail)
- RS232 Port (For uploading and downloading test programs and data to PC)
- Printer Connect Port
- 3610A AC Input Power Connector



Results of PASS/FAIL testing are displayed on the LCD Panel.



Test report data can be printed directly via the printer port.



The optional integrated Twin Testing Fixture increases throughput volume.