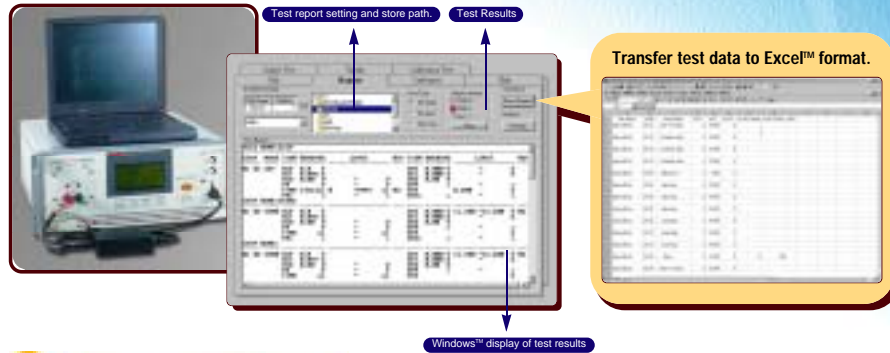


Test reports are Excel™ compatible and can be edited for custom test report format requirements.



3610A Specification

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

Input Rating	Power	75W	300W
	Current	0-15A	
Voltage	Current	60V	
	Voltage	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	Voltage	0-60V	
	Accuracy	±0.1% of (Setting + Range)	
DVM	Voltage	0-75W	0-300W
	Accuracy	±0.5% of (Setting + Range)	
DAM	Voltage	0.000-20.000/0.00-60.00V	
	Accuracy	±0.05% of (Reading + Range)	
PARC @ 2.20MHz	Voltage	0.000-15.000A	
	Accuracy	±0.2% of (Reading + Range)	
Protection Testing	Voltage	0.000-0.500Vp-p Res. 1mV	
	Accuracy	± (2% of Reading + 5mV)	
OVP Voltage Source	Voltage	0.00-24.00V@4A	
	Accuracy	±0.2% of (Setting + Range)	
Over Current Test	Current	15A	
Short (Programmable)	Control	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
90,115,132V	*(Isolated)	
90,115,132,180,230,264V	115V@1Arms	115V@5Arms
AC Voltage Meter	230V@0.5Arms 230V@2.5Arms	
Accuracy	0.0 - 300.0 Vrms	
AC Current Meter	0.000 - 1.000 Arms	0.000-5.000 Arms
Accuracy	±0.3% 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

THE POWER MANAGEMENT SOLUTION COMPANY

3610A Automatic Power Supply Tester For Single Output Power Supplies, Adapters and Chargers



Test Functions :

1. Hold-On Adjust
2. Load Regulation
3. Line Regulation
4. Combined Regulation
5. Efficiency
6. P-P Noise (PARC)
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.



charger



Battery



Adapter



Prodigit Electronics

4F., No. 10, Alley 59, Lane 42, Min-chuan Rd., Hsin-tien, Taipei,
Taiwan, R.O.C.

TEL: 886-2-29182620

FAX: 886-2-29129870

Data Subject to Change without Notice

www.prodigit.com



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 Prodigit 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.

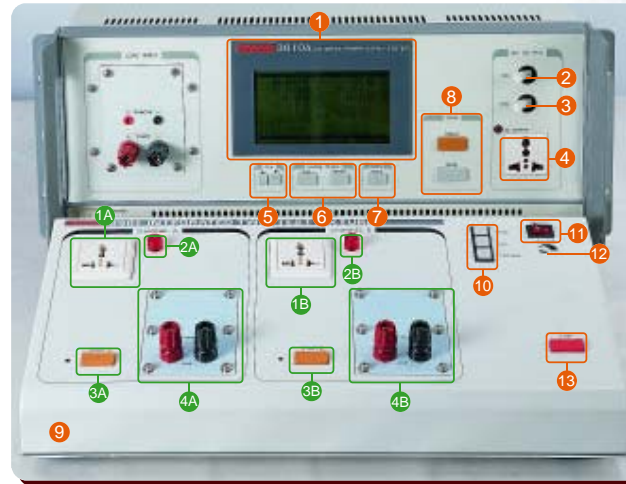
The optional 9901 Integrated Twin Test Fixture was designed for production applications. It integrates a dual U.U.T. fixture, START/STOP control key, PASS/TESTING/FAIL indicator and FAIL alert with adjustable volume. The dual test fixture allows continual testing which increases throughput volume. One 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)



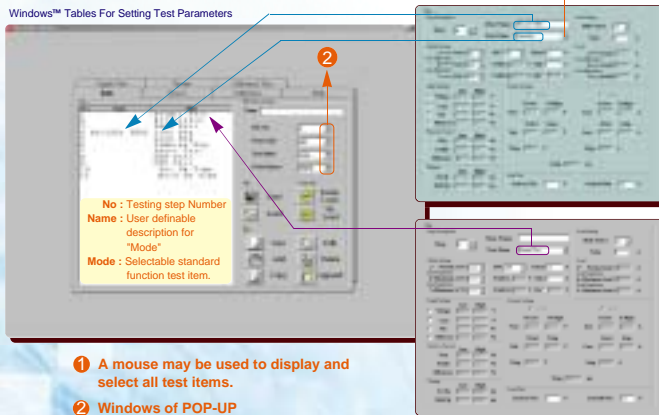
- 1 The large LCD screen displays test parameters and test results.
- 2 The selectable 180, 230, and 264V A.C. output control switch is equipped with an ultra fast current breaker
- 3 The selectable 90, 115, and 132V A.C. output control switch is equipped with an ultra fast current breaker.
- 4 AC Output Socket (source for U.U.T.)
- 5 Test File Selection Key (scroll keys)
- 6 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.
- 7 Test Function Selection Key Mode: Select either auto or manual (step-by-step) test.
- 8 Test Control Switches (START) Begin Testing (STOP) Stop Testing
- 9 Integrated Twin Testing Fixture
- 10 Test Status Indicator
- 11 9901 Twin Test Fixture Power Switch
- 12 Fail Alert Volume Control
- 13 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

Rear Panel of 3610A



- 1 AC Source Line Voltage Selection Switch (115V/230V)
- 2 AC Sync Signal Output
- 3 AC Source Frequency Switch (50Hz/60Hz)
- 4 3610A Line Voltage Selection Switch (115V/230V)
- 5 AC Source Input
- 6 Auto AC Current Breaker
- 7 Remote Input Port (Start, Stop, File Select)
- 8 Test Status Output Port (Testing Pass Fail)
- 9 RS232 Port (For uploading and downloading test programs and data to PC)
- 10 Printer Connect Port
- 11 3610A AC Input Power Connector

Windows™ Tables For Setting Test Parameters



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.



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.