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GT-3610A

Single Output Power Supply Tester

Description

The GT-3610A is an automatic power supply tester available as 7W and 300W versions. The unit is delivered complete with a simple to use windows software programme. This allows the user to program up to 10 different types of tests and set individual test parameters along with duration times. Test routines can be transferred from the users PC to the non-volatile memory of the GT-3610A. As many as 30 separate test routines can be stored. Finished test reports can be printed out directly via the unit's centronics interface meaning that the unit can be used as a stand alone tester. For a permanent soft record the results can also be transferred to a pc. Test information can be exported to Excel and then manipulated to suit your company's report format. For high throughput testing an integrated twin testing fixture is optionally available. Along with a programmable load the GT-3610A also incorporates an AC & DC Source. This enables over voltage protection testing and line regulation. Static analysis with output Voltage and PARD percentages can also be programmed.



- User Friendly Software Compatible with Excel
- Automatically Sequence up to 10 Tests
- Print and Save Individual Test Reports
- Front Panel Calibration
- Quick Set-Up Time

Test Functions

The user sets up the unit to automatically step through up to 10 different tests. Tolerance limits are set and a pass/fail is recorded along with the actual measurement. The actual test time and time delay between steps can also be adjusted.

Line & Load Regulation

Combined Regulation

Output Short Circuit

P-P Noise (PARD)

Over Current Protection

Line Regulation

Hold-On Adjust

Set-Up/Hold-Up Time

Over Voltage Protection



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GT-3610A

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Technical Data

	GT-3610A	GT-3610A-01
Input Ratings		
Power	75W	300W
Current	0 - 15A	
Voltage	60V	
CC Mode		
Range	0 - 15A	
Accuracy	± 0.2% of (setting & range)	
CR Mode		
Range	0.213 - 4 - 15kΩ	
Accuracy	± 0.2% of (setting & range)	
CV Mode		
Range	0 - 60V	
Accuracy	±0.1% of (setting & range)	
CP Mode		
Range	0 - 75W	0 - 300W
Accuracy	±0.5% of (setting & range)	
DVM		
Range	0 - 20V/0 - 60V	
Accuracy	± 0.05% of (setting & range)	
DAM		
Range	0 - 15A	
Accuracy	± 0.2% of (setting & range)	
PARD Testing		
Range	0 - 0.5Vp-p	
Resolution	1mV	
Accuracy	± 0.2% of (reading + 5mV)	
Protections Test		
Over Voltage Protection	0 - 24V@4A	
Over Current Test	15A	
Short (Programmable)	Electronic & Relay	
Timing		
PG / PF / Set-Up/ Hold-Up Time	0 - 9999ms (resolution 1μs, 32 bit)	
Accuracy	± 1ms	
Threshold Voltage	V_{th}	V_{pok}
Input Range	0 - 30Vdc (7.5mV resolution)	0 - 5.6Vdc (2.5mV resolution)
Setting Range	0 - 30Vdc (7.5mV resolution)	0 - 5.6Vdc (2.5mV resolution)
Accuracy	= 0.05V	
Auto/Step Testing Time		
T _{meas.1} - T _{meas.32}	500ms - 20sec (1ms resolution)	
T _{delay.1} - T _{delay.32}	0ms - 20sec (1ms resolution)	

Options Table

Code	Description
/9901.....	Integrated twin test fixture
/9932.....	Remote control key pad which allows file selection and test start and stop