# Wireless Charger Automatic Test System 9901

## Features

- Support 4 test channels
- Equipped with loading/ unloading fixture for highly efficienttests
- Support PD 2.0, QC 2.0/3.0 protocols
- Support FOD test (foreign object detection)
- Suitable for DC-DC power supply product test (power 150W)
- Provide statistical analysis report function
- Provide a variety of expansion cards to quickly upgrade tomore test functions





# Applications

Test of wireless charger final products/ wireless charging modules

### **Accessories/ Fixtures**

Standard accessories

 Red/black test leads-12AWG/50cm (3215/3602)

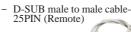






- BNC+red/black tinned wires-100cm (3215)







- Control card (3712)

Optional accessories

Test leads-40PIN/2.0mm/40cm (3711/3712)

Function expansion card(3711)

Support PC Link

System configurations



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No-toad stands								
TR Voltage	8.9855V		3.005/V		9.000V		4.1900V	
TK Durners	0.0904A		0.09394		6.0881A		0.0854A	
TR Fourt	0.812798	(figure)	0.845199	Pain	0.752745	Fast	0.7584W	Pass
Faid charge los								
TR vistage	8.9659V	First	8.001/W	Pase	9.181N/V	P988	8.89Q9V	1244
TK Current	0.00044		0.00404		0.0887A		0.08544	
FOC Visitinger	6.0090V	Fires	6.0629V	Pass	6.0080V	Pess	5.0592V	Pase
FOI Culteral	0.0004A		0.0005A		4.000/A		5.0300A	
Output to have								
TR Volkeyr	8.0009V	Plan	9.0000V	Pase	0.00347	37868	8.981/V	Pese
TK Current	0.0896A	Pasa	0.0940A	Pasa	0.9896A	Pass	2.09034	Pase
TR Power	6.805294		0.8412W		6.7948tV		0.794476	
FOC Visitinger	16.0010V	Pass	5.0520V	Pass	6.007EV	Pyes	5.0580V	Pper

CSV Report

9901 Wireless Charger Automatic Test System (4 channels)						
Programmable DC power supply	3215	2 sets	Power 150W \ Voltage 0-30V \ Current 0-5A			
Programmable DC electronic load	3602	2 sets	Power 150W \ Voltage 0-80V \ Current 0-20A With CC/CV/CR/CP modes			
Industrial computer/NB	Option	1 sets	Select based on customer`s needs			
Modular chassis for instruments	3600	1 piece	Height: 5U			
Test software	PT960F	1 set	Dedicated software for wireless charger products automatic testing			
Function expansion card	3711	1 piece	Function expansion for QC/ PD and other protocols			
Control card	3712	1 piece	indicators for fixture, FOD test			
Test fixtures	Customized	1 piece	Test fixtures for wireless charging modules/wireless chargers			
System cabinet/ desktop	9901/3600	1 set	Including power supply jack and related communication cables			



#### **Test items**

Output	features	Protection tests		
<ul> <li>Output no-load voltage test</li> <li>Output load voltage test</li> <li>Output load current test</li> </ul>	<ul> <li>Output load power test</li> <li>Efficiency test</li> <li>Output fast charging test</li> </ul>	<ul> <li>Output short-circuit protection and recovery test</li> <li>Output over-current protection and recovery test</li> </ul>	<ul> <li>Input over-voltage protection test</li> <li>Input under-voltage protection test</li> <li>FOD test</li> </ul>	
Charging voltage test	Input fast charging voltage			
Charging current test	Input fast charging current	Special tests/Special functions		
No-load standby power consumption test	<ul> <li>Input fast charging power test</li> </ul>	Barcode scanning		

#### **Measurement data**

9901 Wireless Charger Automatic Test System						
	Power supply of	on transmitting	side (Tx)			
	Measuring range - voltage		0-30V			
	Voltage accuracy		$\pm (0.1\% \text{ of setting } +20\text{mV})$			
DC Source	Voltage resolution		0.01V			
	Measuring range - current		0-5A			
	Current accuracy		$\pm (0.1\% \text{ of setting } +20\text{mA})$			
	Current resolution		0.001A			
	QC protocol - programmable		Compliant to QC 2.0, 3.0 protocols			
	PD protocol - programmable		Compliant to PD 2.0 protocol			
	1 10					
	Power supply ripples	receiving side (	30mVp-p			
	Measuring range - voltage	receiving side (	0-80V			
	Voltage accuracy		±(0.025%+0.025%FS)			
	Voltage resolution		0.02V			
DC Load	Measuring range - current		0-20A			
	Current accuracy		0.05%+0.05%FS			
	Current resolution		High range: 0.005A, Low range: 0.0005A			
	Power		150W			
	Test modes		CC/CV/CR/CP			
	Wireless	charger test ite	ems			
Foreign object det	ection test (FOD)	Induced power test on receiving side when applying load on receiving side				
Voltage test of wir	eless charger	Efficiency test of wireless charger				
Current test of wire	eless charger	Fast charg	Fast charging voltage test of the receiver			
Power test of wirel	ess charger	Output short-circuit test and recovery test of wireless charger				
Standby power tes	t of wireless charger	Output over-current test and recovery test of wireless charger				
Voltage/Current/P charger	ower tests for the protocols of wireless	Input over-voltage protection test of wireless charger				
Induced voltage te receiving side	st on receiving side when applying load on	Input unde	er-voltage protection test of wireless charger			
Induced current ter receiving side	st on receiving side when applying load on	Barcode f	Barcode function			

### General

Storge	PC					
Interface	RS-232 \ USB Device					
Operating System	Win 10					
Power Consumption	800VA(Max)					
Power Supply	Voltage	90~264Vac				
	Frequency	50/60Hz ±5%				
Environment	Temperature \ Humidity	0°C~40°C \ 20-80%RH				
Dimension W*H*D	432x234.6x533mm					
Weight	31 Kg					

GMGA MEASURING No. 33 Alley 99/120 Dinh Cong Ha, Dinh Cong Ward, Hoang Mai District, 10000 Hanoi City, Vietnam Telephone: <u>+84 845 969 336</u> Email: <u>info@gmga.vn</u> Website: <u>https://gmga.vn/</u>