Wireless Charger Automatic Test System

9901

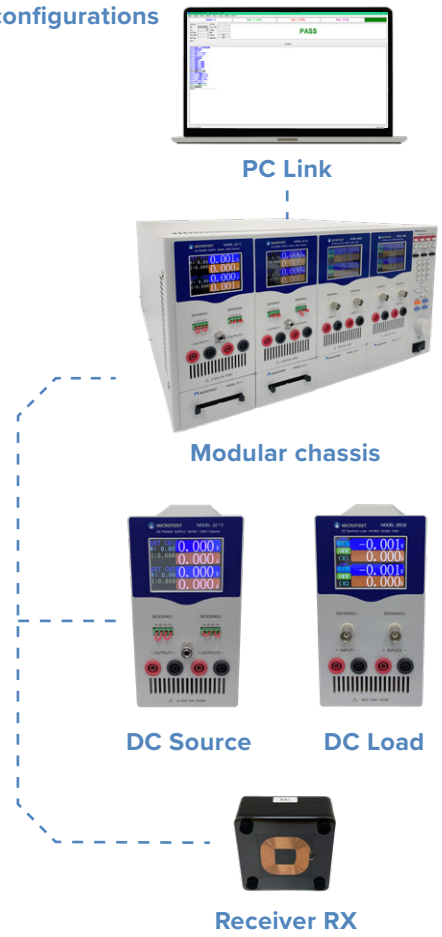
Features

- Support 4 test channels
- Equipped with loading/ unloading fixture for highly efficient tests
- 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 to more test functions

Applications

Test of wireless charger final products/ wireless charging modules

System configurations



Accessories/ Fixtures

Standard accessories

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

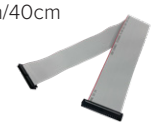
- BNC+BNC test leads -100cm (3602)

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

- D-SUB male to male cable-25PIN (Remote)

Optional accessories

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



- Function expansion card (3711)

- Control card (3712)

- Wireless charging receiver (Rx)

9901 Wireless Charger Automatic Test System (4 channels)			
Programmable DC power supply	3215	2sets	Power: 150W, Voltage: 0-30V, Current: 0-5A
Programmable DC electronic load	3602	2sets	Power: 150W, Voltage: 0-80V, Current: 0-20A With CC/CV/CR/CP modes
Industrial computer/ NB	Option	1 set	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	
• Output no-load voltage test • Output load voltage test • Output load current test	• Output load power test Efficiency test • Output fast charging test
Input features	
• Charging voltage test • Charging current test • No-load standby power consumption test	• Input fast charging voltage • Input fast charging current • Input fast charging power test

Protection tests	
• Output short-circuit protection and recovery test • Output over-current protection and recovery test	• Input over-voltage protection test • Input under-voltage protection test • FOD test
Special tests/Special functions	
• Displacement test • Barcode scanning • Connect to MES system	

Measurement data

9901 Wireless Charger Automatic Test System		
Power supply on transmitting side (Tx)		
DC Source	Measuring range - voltage	0-30V
	Voltage accuracy	±(0.1% of setting +20mV)
	Voltage resolution	0.01V
	Measuring range - current	0-5A
	Current accuracy	±(0.1% of setting +20mA)
	Current resolution	0.001A
	QC protocol - programmable	Compliant to QC 2.0, 3.0 protocols
	PD protocol - programmable	Compliant to PD 2.0 protocol
	Power supply ripples	30mVp-p
Loads on receiving side (Rx)		
DC Load	Measuring range - voltage	0-80V
	Voltage accuracy	±(0.025%+0.025%FS)
	Voltage resolution	0.02V
	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 items	
Displacement sensing test of wireless charger	Induced power test on receiving side when applying load on receiving side
Foreign object detection test (FOD)	Efficiency test of wireless charger
Voltage test of wireless charger	Fast charging voltage test of the receiver
Current test of wireless charger	Output short-circuit test and recovery test of wireless charger
Power test of wireless charger	Output over-current test and recovery test of wireless charger
Standby power test of wireless charger	Input over-voltage protection test of wireless charger
Voltage/Current/Power tests for the protocols of wireless charger	Input under-voltage protection test of wireless charger
Induced voltage test on receiving side when applying load on receiving side	Barcode function
Induced current test on receiving side when applying load on receiving side	Connect to MES system

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℃~40℃、0-80%RH
Dimension (W*H*D)	432x234.6x533mm	
Weight	31 Kg	