

## ATX-3000S Series Desktop Wire Harness Tester

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ATX-3000S series is a desktop wire harness tester. It is a multi-functional, automatic wire harness parameter testing system specially used for quality and connection reliability inspection of all kinds of cables, wire harness and line arrangement. The equipment can be operated independently or connected to a computer. Based on the modular design structure, the test accuracy of four-wire resistance test is high. Compatible with intelligent testing software to help customers compare and analyze data.



### Main Features

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- The device can be operated independently or Connected to a computer
- Test channels 64/128/256/512, more channels can be quickly expanded
- Self-learning function, fast detection of connectivity, short circuit, open circuit etc. of unknown wiring harness
- Four-wire resistance test, high test accuracy
- DC high voltage test voltage DC50V~1510V
- AC high voltage test voltage AC50V~1010V
- Automatic reset after high voltage test to improve detection security

### Application

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- On-site wire harness repair, maintenance, testing and other work
- Aerospace and other scientific fields
- Shipbuilding, new energy vehicle production and other industrial fields
- Household appliances, computers, communication equipment and other electronic industries
- For complex multi-core channel testing of printed circuit boards, switchboards, controllers, etc.

<b>Product Specification ( ATX-3000S )</b>				
Model	ATX-3064S	ATX-3128S	ATX-3256S	ATX-3512S
Max. Test Points	64	128	256	512
Number of Test Port	4	8	16	32
Type of Test Port	Omron 64-pin buckle type header connector (XG4A-6434)			
Test Content	Continuity Test	✓		
	Withstand Voltage Test	✓		
	Insulation Resistance Test	✓		
	2-wire Resistance Test	✓		
	4-wire Resistance Test	✓		
	Transient Disconnection Test	✓		
	Pin Search	✓		
User Interface	Display	5.5 inch, 1080P AMOLED		
	Operation	touch screen operation ( external mouse and keyboard can be connected )		
	Operating System	Windows10		
	Language	simplified Chinese		
Storage Port	USB			
Wireless Communication Port	WIFI			
Control Port	RS232/USB			
RTC (Real Time Clock)	available			
RTC Battery	working life 3 years			
Printer	USB port universal printer/wireless printer , such as: hp427fdw、hpM126nw etc.			
Data Retention Time	minimum 5 years, temperature: -20°C~50°C, humidity: 40%			
Supply Voltage	AC100V-240V/50~60Hz			

Overall Dimensions of Master Device (Width*Height*Depth)	about 15.6kg	about 15.6kg	about 15.6kg	about 15.6kg
Overall Dimensions of Slave Device (Width*Height*Depth)	about 13.1kg	about 15.1kg	about 19.1kg	about 38.2kg
Environmental Conditions	operating temperature: 0~45°C; storage temperature: -20°C ~50°C; operating humidity: 5% ~ 70%RH, non-condensing			

### Test Specifications / Parameters

Connectivity Test	Test Voltage	DC5Vmax, ±5%
	Test Current	1mAmax, ±1%
	Resistance Range	0.05Ω~10kΩ ( default 500Ω ) , ±5%
Withstand Voltage Test	Test Voltage	50V~1010VAC, ± ( 0.5%+3V )
	Leakage Current Range	0.005mA~5mA, ±(1%+0.005mA)
	Pressurization	AVM 加压
	Test Time	2~999s/ circuit (manual setting available)
Insulation Resistance Test	Test Voltage	50V~1510VDC, ±(0.5%+1V)
	Leakage Current Range	10kΩ~10MΩ, ±(5%+2kΩ)
		10MΩ~1000MΩ, ±(10%+1M)
		1000MΩ~2000MΩ, ±(20%+100M)
Pressurization	AVM pressurization	
Test Time	2~999s/ circuit (manual setting available)	
2-wire Insulation Resistance Test	Test Voltage	DC10V max(10uA,100uA,1mA) DC5V max(10mA,100mA,1A)
	Test Current	10 uA, 100 uA, 1mA, 10 mA, 100mA, 1A

2-wire Insulation Resistance Test	Resistance Range	1Ω~1MΩ				
	Test Precision	Shift	Scale of Full Range	Resolution	Precision	Excitation Current
		1Ω	1.1000Ω	0.0001Ω	±(2%+1Ω)	1A±20mA
		10Ω	11.000Ω	0.001Ω	±(2%+1Ω)	100mA±2mA
		100Ω	110.00Ω	0.01Ω	±(2%+3Ω)	10mA±0.2mA
		1kΩ	1.1000kΩ	0.0001kΩ	±(2%+0.005kΩ)	1mA±0.02mA
		10kΩ	11.000kΩ	0.001kΩ	±(2%+0.02kΩ)	100uA±2uA
		100kΩ	110.00kΩ	0.01kΩ	±(2%+0.2kΩ)	10uA±0.2uA
		1MΩ	1.1MΩ	0.1kΩ	±(5%+2kΩ)	10uA±0.2uA
4-wire Insulation Resistance Test	Test Voltage	DC10Vmax(10uA,100uA,1mA) DC5V max(10mA,100mA,1A)				
	Test Current	10 uA, 100 uA, 1mA, 10 mA, 100mA, 1A				
	Resistance Range	0.001Ω~1MΩ				
	Test Precision	Shift	Scale of Full Range	Resolution	Precision	Excitation Current
		1Ω	1.1000Ω	0.0001Ω	± ( 1%+0.002Ω )	1A±20mA
		10Ω	11.000Ω	0.001Ω	± ( 1%+0.02Ω )	100mA±2mA
		100Ω	110.00Ω	0.01Ω	± ( 1%+0.2Ω )	10mA±0.2mA
1kΩ		1.1000k Ω	0.0001kΩ	± ( 1%+2Ω )	1mA±0.02mA	
10kΩ	11.000k Ω	0.001kΩ	± ( 1%+20Ω )	100uA±2uA		

Transient Disconnection Test (64)	Test Voltage	single channel
	Leakage Current Range	10ms
	Pressurization	2s~999s ( Or until the stop test button is pressed )

Order Information:

- ATX-3064S: 64-point desktop wire harness tester
- ATX-3128S: 128-point desktop wire harness tester
- ATX-3256S: 256-point desktop wire harness tester
- ATX-3512S: 512-point desktop wire harness tester

Optional Accessories:

- RS232, USB etc. interface and remote control software
- Transfer box, transfer board
- High voltage test wire

**Note : more channels can be quickly**