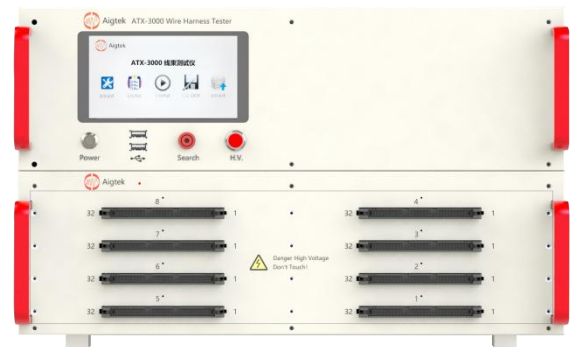


ATX-3000Series Desktop Wire Harness Tester

ATX-3000 series is a desktop type 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. Flexible wiring mode, can realize two-wire resistance test, also can realize four-wire resistance test. Compatible with intelligent testing software to help customers compare and analyze data.

Main Features

- 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
- DC high voltage test voltage DC50V~1010V
- AC high voltage test voltage AC50V~760V
- Automatic reset after high voltage test to improve detection security



Application

- 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.

Product Specification (ATX-3000)

Model	ATX-3064	ATX-3128	ATX-3256	ATX-3512
Max. Test Points	64	128	256	512
Number of Test Port	2	4	8	16
Type of Test Port	Omron 64-pin buckle type header connect (XG4A-6434)			
Test Content	Continuity Test	✓		
	Withstand Voltage Test	✓		
	Insulation Resistance Test	✓		
	2-wire Insulation Resistance Test	✓		
	4-wire Insulation 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)	450*135*467mm			
Overall Dimensions of Slave Device (Width*Height*Depth)	450*135*467mm			
Weight of Master Device	about 15.6kg	about 15.6kg	about 15.6kg	about 15.6kg
Weight of Slave Device	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

Continuity Test	Test Voltage	DC5V max, ±5%
	Test Current	1A max, ±1%
	Resistance Range	0.05Ω~10kΩ (default 500Ω) , ±5%

Withstand Voltage Test	Test Voltage	50V~760VAC, $\pm (0.5\%+1V)$				
	Leakage Current Range	0.005mA~5mA, $\pm(1\%+0.005mA)$				
	Pressurization	AVM pressurization				
	Test Time	2s~999s/circuit (manual setting available)				
Insulation Resistance Test	Test Voltage	50V~1010VDC, $\pm (0.5\%+1V)$				
	Insulation Resistance Range	10K Ω ~10M Ω , $\pm(5\%+2K\Omega)$ 10M Ω ~1000M Ω , $\pm(10\%+1M)$ 1000M Ω ~2000M Ω , $\pm(20\%+100M)$				
	Pressurization	AVM pressurization				
	Test Time	2s~999s/circuit (manual setting available)				
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				
	Resistance Range	0.001 Ω ~1M Ω				
	Test Precision	Shift	Scale of Full Range	Resolution	Precision	Excitation Current
		1 Ω	1.1000 Ω	0.0001 Ω	$\pm(1\%+0.002\Omega)$	1A \pm 20mA
	10 Ω	11.000 Ω	0.001 Ω	$\pm(1\%+0.02\Omega)$	100mA \pm 2mA	

Resistance Test	Test Precision	100Ω	110.00Ω	0.01Ω	± (1%+0.2Ω)	10mA±0.2mA
		1kΩ	1.1000kΩ	0.0001kΩ	± (1%+2Ω)	1mA±0.02mA
		10kΩ	11.000kΩ	0.001kΩ	± (1%+20Ω)	100uA±2uA
		100kΩ	110.00kΩ	0.01kΩ	± (1%+0.2kΩ)	10uA±0.2uA
		1MΩ	1.1MΩ	0.1kΩ	± (5%+2kΩ)	10uA±0.2uA
Transient Disconnection Test	Test Mode	single channel				
	Test Width of Transient Disconnection	10ms				
	Test Time	2s~999s (Or until the stop test button is pressed)				

Order Information:

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