

# Cable/Harness Tester

## IV. TH8610 Series Cable/Harness Tester

### Features

- 7-inch TFT LCD true color display, 800X480 resolution, 16-bit color
- Chinese and English operation interface
- Support internal four-wire and external four-wire measurement
- Conduction, short circuit, instant short circuit, instant disconnection, instant conduction
- Single-side test, double-side test
- Judgement of broken and short circuit end edge
- Automatic point search function for point measurement
- Withstand voltage test with arc detection function
- NTC one-key setting function
- Sequential test function
- (Patent) High and low voltage separation technology, its own insulation impedance up to > 100GΩ
- (Patent) 4 kinds of high-voltage test mode: a pair of other, dichotomy, automatic test, grounding test
- Test resistors, capacitors, diodes and other components, using voltage and current parallel sampling technology, faster sampling data
- Support Type C related wire testing, provides a complete set of test programs, adding the instrument self-test function, online troubleshooting instrument



RS232	USB HOST	USB DEVICE	HANDLER	GPIO	RS485
standard	standard	standard	standard	option	option

Dimension(mm): 425mm(W)x177mm(H)x355mm(D)

Weight: 7.5kg

### Application

- Automotive Electronics**  
Battery connector solder joint impedance  
ECU connecting cable, automotive wiring harness, navigation connecting cable, navigation screen cable, car electronics connecting cable, audio and video connecting cable
- Electronic Industry**  
Cable, flat cable, connector, power cord, multi-switch, RS232 cable, GPIO cable, USB extension cable, multi-core socket
- Communication and IT**  
Telephone cables, network connection cables, multi-strand connection cables, cell phone screen cables, TYPEC data cables, USB data cables, laptop screen cables, HDMI connection cables, VGA connection cables, IDE hard disk connection cables, SATA hard disk connection cables, etc.
- Components**  
Passive components: capacitors, inductors, resistors, diodes, capacitor polarity, voltage drop

### Specifications

Model		TH8610	TH8610A	
Test pin position		128Pin	64Pin	
Test Signal Source	AC Signal Source	Frequency	Range Accuracy	50Hz - 300kHz 0.02%
		Range	Range Accuracy	1Vrms 10%
	Programmable DC Source	Voltage Source	Range Accuracy	5V MAX 10%±1 word
		Current Source	Range Accuracy	1-20mA, 100mA, 1A 5% ±1 word
	Programmable High Voltage Source	DC	Range Accuracy	50V - 1500V 5%±1 word
		AC	Range Accuracy	50V-1000V 5%±1 word
Testing Speed		Short circuit break(128 points)	10ms	
Capacitance Measurement		Range Accuracy	10pF-1000μF 10%±1 word	
DC Resistance		Range Accuracy	1kΩ-1MΩ 2%±1 word	
Conduction Resistance		Range Accuracy	1μΩ-1kΩ 2%±1 word	
Short-circuit Test		Range Accuracy	1kΩ-50kΩ 10%±1 word	
Short-circuit Test		电压 Accuracy	0-10V 10%±1 word	
Insulation Resistance		Range	1MΩ-100MΩ	
		Accuracy	5%±5 word	
		Range Accuracy	100MΩ-5GΩ 10%±5 word	
DC Leakage Current		Range Accuracy	1μA-5mA 5%±2 word	
AC Leakage Current		Range Accuracy	10μA-5mA 10%±5 word	
Volume (mm)	425(W)x177(H)x355(D)			
Weight	7.5kg			