

# Cable/Harness Tester

## IV. TH8601/A Cable/Harness Tester

### Features

- 7" TFT LCD truecolor display screen, 16-bit , 800X480 resolution
- Cortex\_M3 processor core
- Selectable Chinese and English operation interface
- AC: test frequency of 50Hz-300kHz, accuracy of 0.02%
- DC: test range of 0V-5V and accuracy of 10%
- Maximum 128 pin for sweeping and testing
- Insulation resistance of more than 10G
- Selectable RS232, RS485, GPIB, USB, LAN and Handler interfaces
- USB interface can be used for storage of setup files and test data as well as upgrade of the program

### Application

- Communication and IT  
telephone lines, network cables, multi-strand cables, mobile phone screen cables, TYPE-C data cables, USB data cables, laptop screen cables, HDMI cables, VGA cables, IDE hard disk cables, SATA hard disks Connection line etc.
- Automotive Electronics  
ECU cable, automotive wiring harness, navigation cable, navigation screen cable, car electronic product cable, audio and video cable

### Specifications

Parameters	Range	Specific Index
Test Pin	TH8601	128 Pin
	TH8601A	64 Pin
Test signal source	Sine signal source: 50Hz-300kHz, Programmable capacitance component test 1Vrms	frequency: 0.02%, 1Vrms, Voltage 10%
	Programmable DC signal source:5Vdc MAX	10%
	Programmable DC current source:1-20mA	10%
	Programmable DC high voltage source:1mA Max	5V-100V 10%±1 digit
		100Vdc-1000Vdc 5%±1 digit
	Programmable AC high voltage source:10mA Max	50V-100Vac 10%±1 digit
		100Vac-750Vac 5%±1 digit
Test speed	Channel plate on-off scanning signal source:5Vdc	
	Transient open and short circuit (128 points) sample standard:10ms	indicates the time of sweeping 64 NET O/S at a time
	Basic value of testspeed:100ms	Indicates the measurement time of single passive component or the total measurement time of one cable
Capacitance measurement	Range: 0.1pF-300pF (sample 10pFmin)	10%±3 digit
	Range: 300pF-1000μF	5%±3 digit
Resistance measurement	10mohm-1Mohm	5%±1 digit
Cond. /Interval cond.	10mohm-50ohm	5%±5 digit
Open and short circuit	1kohm-50kohm	10%±1 digit
Diode Testing	0-10V	10%±1 digit
Insulation resistance	1Mohm-100Mohm	5%±5 digit
	100Mohm-1000Mohm	10%±5 digit
DC leakage current	1μA-1000μA	5%±2 digit
AC leakage current	0.01mA-5mA	10%±5 digit

### Standard Accessories

TH26036-R Probe  
TH26060 Transfer Fixture  
TH8601-32 Test Cable



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

### TH8601/A

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

Weight: 7.5kg

- Electronic Industry  
Flat wire, flat wire, connector, power cord, multiplexer, RS232 connection line, GPIB cable, USB extension cable, multi-core socket
- Components  
Passive components: capacitors, inductors, resistors, diodes, capacitor polarity, voltage drop
- Safety test  
AC withstand voltage, DC withstand voltage, insulation insulation