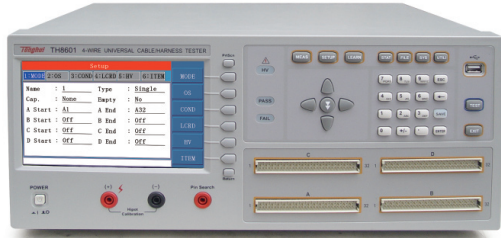


# Cable/Harness Tester

## D. TH8601/A Cable/Harness Tester

### Features

- 7" TFT LCD truecolor display screen, 16-bit , 800X480 resolution
- Cotex\_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



### TH8601/A

### Brief Introduction

■ TH8601 series four-terminal wire tester is multifunctional and automatic test system of wire comprehensive parameters, which is exclusively used in quality and connection reliability test for various kinds of cables, wiring harness and winding displacement. This system provides programmable constant current & constant voltage source and high-voltage power supply. The test items include continuity, passive element (inductance, resistance, capacitance and diode), AC/DC withstand voltage, insulation resistance and all kinds of high and low voltage parameters. Adopting advanced LCR figure sampling and channel switching technique of high speed and long life, this system significantly improves the test precision, speed and working life. Also, this system adopts high and low voltage isolation technique, so the testing performance of the insulation resistance is greatly advanced.

Various interfaces of RS232, RS485, GPIB, USB, LAN and handler are convenient for users to apply to automatic detect and production line.

### 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	
	Channel plate on-off scanning signal source:5Vdc		
Test speed	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	