

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	LAN	GPIB	RS485
standard	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