

# Cable/Harness Tester

## IV. TH8603-4 Cable/Harness Tester

NEW

### Features

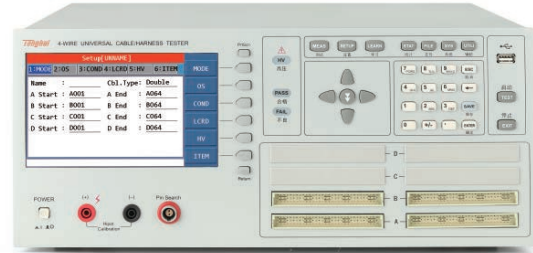
- 7-inch TFTLCD true color display, 800X480 resolution, 16-bit color.
- Internal storage space 3M
- Support U disk to store test files
- One-click screen capture function, pictures are automatically stored to U disk
- The program can be upgraded online via U disk
- Chinese and English optional operation interface
- Maximum provides 512 (two-wire)/256 (four-wire) channels, divided into 8 slots A, B, C, D, E, F, G, H
- (Patent) Provides 750VAC and 1000VDC high voltage test functions, adopts high and low voltage separation technology, makes its own insulation resistance up to 100G or more, and has a wider test range
- (Patent) Provide 4 kinds of high voltage test methods: one pair of other, dichotomy, automatic test, ground test 4 methods
- Provide excellent and reliable arc detection function
- Testing resistance, capacitance, diode and other components, using four-terminal test technology, higher test accuracy; using voltage and current separation parallel sampling technology, sampling data faster
- Support Typec related wire test, provide a complete test plan, and add the function of one-key setting of components.
- An independent DC constant current source is set inside, which can provide a maximum of 10A constant current source for measuring the voltage drop of the line
- An independent read-write chip module is built in to check whether the chip in the wire is normal
- Support connector test, provide multi-product test function, and signal output of each product.
- Support multi-file testing, providing more and more flexible testing solutions for complex wires.
- HANDLER interface, supports 16 outputs, all options are relay driven, and the user can freely define the signal and level of each channel
- Communication command provides SCPI command system
- Provide instrument self-check function and maintenance function, and can perform online troubleshooting of instrument faults

### 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
- 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

### Standard Accessories

Three-core power cord  
TH26060D Probe  
TH26060B Transfer Fixture  
TH8601-32 Test Cable



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

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

Weight: 7.5kg

### Specifications

| Specification           |   |   | TH8603-4                                |
|-------------------------|---|---|---|
| Test Pin                |   |   | 512                                     |
| Test Signal Source      | AC  | Frequency   | 50Hz-100kHz, Accuracy 0.02%             |
|                         |   | Range   | 0-1Vrms, Accuracy 10%                   |
|                         | DC  | Voltage   | 0-5V, Accuracy 10%± 1 Digit             |
|                         |   | Current   | 1-15mA, Accuracy 10%±1 Digit            |
|                         | Channel board open-off scan signal source |   | 5Vdc                                    |
| Capacitance Measurement |   |   | 1nF-1000μF, Accuracy: 10%±1 Digit       |
| DCR                     |   |   | 10mΩ-1MΩ, Accuracy: 2%±1 Digit          |
| Cond./Interval cond.    |   |   | 0.1Ω-950Ω                               |
| Open and Short Circuit  |   |   | 1kΩ-50kΩ, Accuracy: 10%±1 Digit         |
| Diode Testing           |   |   | 0-10V, Accuracy: 10%±1 Digit            |
| DC withstand voltage    | Voltage                                   | 5V-1000V, Accuracy 5V-100V, 10%±1 Digit, 100V-1000V, 5%±1 Digit |   |
|                         | Current                                   | 1uA-1000uA, Accuracy: 10%±5 Digit                               |   |
| AC withstand voltage    | Voltage                                   | 50V-750V, Accuracy 50V-100V, 10%±1 Digit, 100V-750V, 5%±1 Digit |   |
|                         | Current                                   | 0.01mA-5mA, Accuracy: 10%±5 Digit                               |   |
| Insulation Resistance   | Voltage                                   | 5V-1000V, Accuracy: 10%±1 Digit                                 |   |
|                         | Resistance                                | 1MΩ-1GΩ, Accuracy: 10%±5 Digit                                  |   |
| Test Speed              |   |   | Momentary Short Circuit: 20ms(512 Dots) |
| Basic Test Speed: 100ms |   |   | Basic Test Speed: 100ms                 |