

# 2-Wire Cable Tester

## 8740N/ 8740NA/ 8740FA

### Features

- Test pin 128/256/512
- Number of test file up to 500 sets
- The measurement items: Open/Short, Conductance, Components, AC Hipot, DC insulation/Hipot, Quick conductance, Intermittence O/S, and Quick Intermittence open circuit.
- Multiple DUT test-4 (standard)/expand 14 (option)
- USB Host storages setting files and can update firmware
- Support bar code scan and print function
- External current expand box for wire buck measurement

### Application

All kinds of wires, connectors and combined products of connectors andwires



CE RS-232 Remote USB Host Print

### Accessories / Fixtures

#### Standard

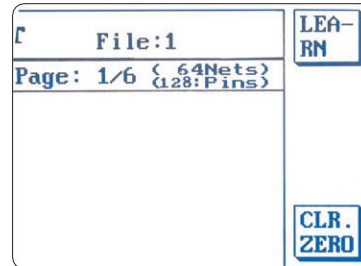
- Power Cord
- AK-8600F2-8740FA
- 8730-J2
- Probe

#### Optional

- PC link software
- Remote control cable
- KB-8730K1
- F874003
- F874001
- FX-000C16
- FX-000C18
- FB-8600M1
- Network Fixture
- D-Sub foot switch (F760001)
- Printer

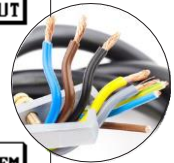
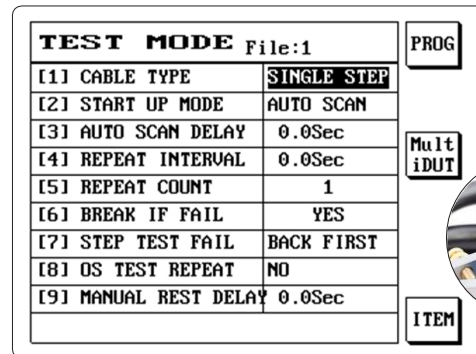
### Key Features

#### A 128/256/512 Pin



Insert 2 sides cable DUT to 8740 to make a loop, press "LEARN" button from the front panel, the screen will display Nets/Pins.

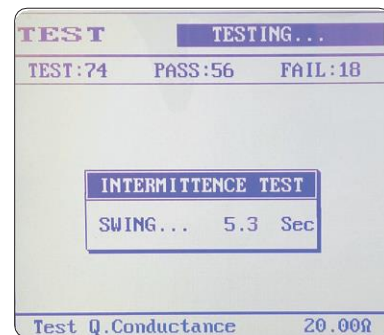
#### B Single Step



SINGLE SIDE: Without probe, use capacitor directly to judge the point with wiring.

SINGLE STEP: Using a probe, measure the connected pin.

#### C Intermittence Test



The Intermittence test function is swing test. Setting test time in seconds, the cable tester will continuously scan within the set time to perform a short-circuit judgment test.

## Specification

| Model Name                              | 8740N  | 8740NA            | 8740FA  |
|---|--|-------------------|---|
| Measuring Mode                          | 2-wire   |                   |   |
| Test Pin                                | 128/256/512  | 128/256/512       | 128/256/512                                     |
| AC Output Voltage                       | -  | 100-700V          | 100-1000V                                       |
| DC Output Voltage                       | 50-1000V   | 50-1000V          | 50-1500V  |
| Hipot Output Accuracy                   | ±5%  |                   |   |
| Hipot Measurement Accuracy              | ±5%  |                   |   |
| Rated Output                            | 5Vdc   |                   |   |
| Hipot Measurement Time                  | 0.01s  |                   |   |
| Wire Specifications                     | Maximum allowable capacitance 5μF                                    |                   |   |
| Measurement Items and Measurement Range | Conductance  |                   | 100mΩ-52Ω                                       |
|   | Intermittence Conductance  |                   | 100mΩ-52Ω                                       |
|   | AC Hipot Leakage Current   |                   | 0.01mA-5mA                                      |
|   | DC Hipot Leakage Current   |                   | 0.1μA-1000μA                                    |
|   | DC Hipot Insulation Resistance                                       |                   | 1MΩ-1GΩ   |
|   | O/S, Intermittence O/S, Quick Intermittence open circuit             |                   | 1kΩ-100kΩ                                       |
|   | Resistance   | Measurement Range | 100mΩ-2MΩ                                       |
|   |  | Level signal      | Fixed 2.4V                                      |
|   | Conductance  | Current signal    | 35mA  |
|   |  | Measurement Range | 10pF-3μF  |
|   | Capacitance  | Frequency signal  | AUTO Gear (Optional)<br>48Hz/480Hz/4.8kHz/48kHz |
|   |  | Level signal      | Fixed 1.2V                                      |
|   | Diode  |                   | 0-6.8V  |
|   | Single-Side Test   |                   | Able to do the Single-Side Test                 |
| O/S Terminal Judge                      |  | With this feature |   |
| Advanced Functions                      | Programmable continuous test / Pin search / Auto-diagnosis           |                   |   |
| Test Scan Mode                          | Auto, Manual, External Trigger                                       |                   |   |
| Measurement Signal                      | Low Voltage Measurement Signal                                       |                   |   |
| Built-in Storage                        | Number of test file up to 500 sets                                   |                   |   |
| Indicator                               | Pass/Fail HV LED red-green indicator lights / Screen Display / Sound |                   |   |

## General

|                   |   |
|-------------------|---|
| Power Supply      | Fixed Voltage 115/230 Vac ±10%  |
|                   | Frequency 60/50Hz   |
| Power Consumption | 8740(128)- 70VA, 8740(256)- 100VA, 8740(512)- 150VA                           |
| Interface         | RS-232, USB Host, Print, Remote   |
| Operation         | Manual, Auto, Remote Control  |
| Display           | 320*240 dot-matrix  |
| Environment       | Temperature: 15°C-35°C, Humidity: RH≤70%                                      |
| Dimension (W*H*D) | 8740 (128): 435×145×406mm 8740 (256): 435×145×406mm 8740 (512): 435×190×406mm |
| Weight            | 8740 (128): 8.44kg 8740 (256): 9.3kg 8740 (512): 14kg                         |

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