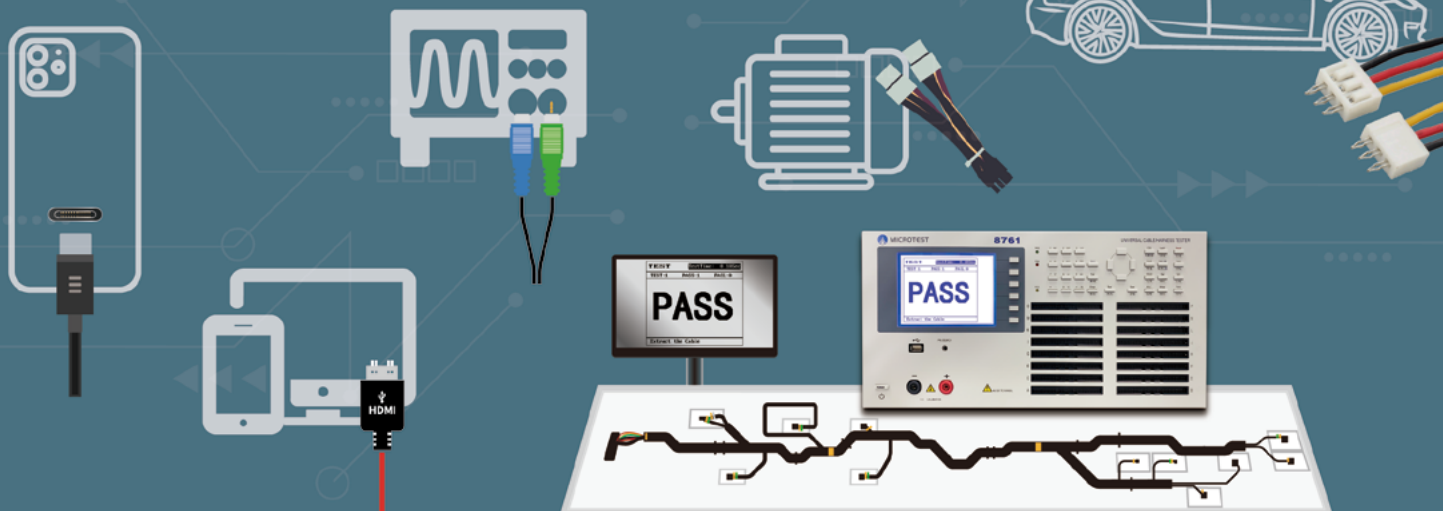




# For more reliable connections choose MICROTEST Cable Tester



Continuity Test



O/S Test



Safety Test



Component Test



USB Type-C Test

## Low-Voltage Electrical Measurement Items



### Continuity Test

Verifies whether the cable can conduct current normally by measuring resistance to ensure electrical connectivity within the circuit.

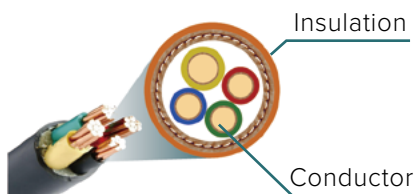
### Short/Open Circuit Test

Ensures circuit functionality and safety by detecting potential open or short circuit conditions within the cabling.

### Component Test

Validates that the cable assembly can operate within specific electrical environments by measuring integrated components such as resistance, capacitance, and diodes.

## High-Voltage Measurement Items



### Hipot Test

Verifies insulation integrity by applying high AC/DC voltage and monitoring leakage current between test points.

### IR Test

Measures resistance at specific high voltages to ensure insulation reliability under extreme operating conditions.

## USB Type-C Testing Items



### Orientation Auto-ID

Supports reversible insertion with automatic circuitry learning.

### Component Test

Auto-identifies and tests Ra resistors, capacitors, and diodes within the cable.

### E-Marker IC

Reads VDO Codes to analyze protocol versions and specifications.

### 5A Voltage Drop Test

Measures Vbus/ GND voltage differential or internal resistance (DCR).

# MICROTEST Provides Customized Solutions: Tailored Test Fixtures for Harness Assemblies

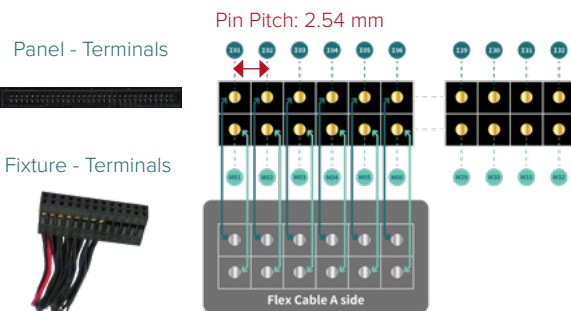


| Test Item                                                                                                     | Customized Test Fixtures | Device Under Test           |
|---------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|
| <ul style="list-style-type: none"> <li>O/S</li> <li>Continuity Test</li> <li>Insulation Resistance</li> </ul> |                          | <br>8-circuit configuration |

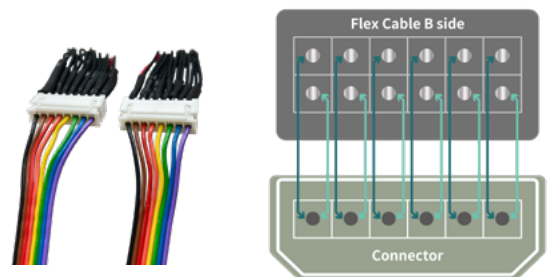
Cable Tester

## Wiring Methods From Instrument to Device Under Test

### Panel to Test Fixture



### Test Fixture to Harness



## Three High-Voltage/Insulation Measurement Modes to Maximize Throughput

### All-Ground

Tests Hipot and insulation between each conductor and the ground (shield) to ensure grounding safety.

### Binary

**Rapidly determines whether the overall batch is Pass or Fail**

Groups conductors in parallel to significantly accelerate Hipot and IR detection efficiency.

### All Nets

**Displays individual Hipot and insulation values for each conductor core**

Progressively tests each conductor against all remaining conductors to evaluate insulation performance.

Optimization Based on Production Capacity

On the production line, Binary and All Nets Modes can be enabled simultaneously

1. If the result is PASS: The test cycle completes immediately, ensuring maximum efficiency.
2. If the result is FAIL: The instrument automatically triggers a sequential, conductor-by-conductor scan to pinpoint the specific defective core.

### Binary Mode

| Binary | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|---|---|---|---|---|---|---|---|
| STEP 1 | + | + | + | + | + | + | + | + |
| STEP 2 | + | + | + | + | + | + | + | + |
| STEP 3 | + | + | + | + | + | + | + | + |

| HIPOT          |         | File: 123 | PROG |
|----------------|---------|-----------|------|
| Item           | DC      | Hipot     | AC   |
| 111 Voltage    | 50V     | 200V      | AC   |
| 121 Frequency  | Insul.  | 50Hz      | AC   |
| 131 Test rate  | NOVA    | NOVA      | AC   |
| 141 Spec.      | 0.1MP   | 0.50MA    | AC   |
| 151 HFFuel     | 0.0MP   | 0.00MA    | AC   |
| 161 All-Ground | NFF     | NFF       | AC   |
| 171 Binary     | NFF     | NFF       | AC   |
| 181 Time       | 0.01Sec | 0.01Sec   | AC   |
| 191 All nets   | OFF     | OFF       | AC   |
| 110Time        | 0.01Sec | 0.01Sec   | AC   |
| 111HMD pin     | N01     | N01       | AC   |

| TEST I            |            | Test time: 0.77Sec |
|-------------------|------------|--------------------|
| TEST-1            | Pass: 4    | Fail: 0            |
| O/S TEST          | ..... PASS |                    |
| INSUL (MUK) TEST  | ..... PASS |                    |
| Extract the Cable |            |                    |

### All Nets Mode

| All Nets | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------|---|---|---|---|---|---|---|---|
| STEP 1   | + | + | + | + | + | + | + | + |
| STEP 2   | + | + | + | + | + | + | + | + |
| STEP 3   | + | + | + | + | + | + | + | + |
| STEP 4   | + | + | + | + | + | + | + | + |
| STEP 5   | + | + | + | + | + | + | + | + |
| STEP 6   | + | + | + | + | + | + | + | + |
| STEP 7   | + | + | + | + | + | + | + | + |
| STEP 8   | + | + | + | + | + | + | + | + |

| HIPOT          |         | File: 123 | PROG |
|----------------|---------|-----------|------|
| Item           | DC      | Hipot     | AC   |
| 111 Voltage    | 50V     | 200V      | AC   |
| 121 Frequency  | Insul.  | 50Hz      | AC   |
| 131 Test rate  | NOVA    | NOVA      | AC   |
| 141 Spec.      | 0.1MP   | 0.50MA    | AC   |
| 151 HFFuel     | 0.0MP   | 0.00MA    | AC   |
| 161 All-Ground | NFF     | NFF       | AC   |
| 171 Binary     | NFF     | NFF       | AC   |
| 181 Time       | 0.01Sec | 0.01Sec   | AC   |
| 191 All nets   | OFF     | OFF       | AC   |
| 110Time        | 0.01Sec | 0.01Sec   | AC   |
| 111HMD pin     | N01     | N01       | AC   |

| TEST I                 |            | Test time: 1.09Sec |
|------------------------|------------|--------------------|
| TEST-3                 | Pass: 3    | Fail: 0            |
| O/S TEST               | ..... PASS |                    |
| INSUL (A001) 1200.00MA | ..... PASS |                    |
| INSUL (A071) 1200.00MA | ..... PASS |                    |
| INSUL (A061) 1200.00MA | ..... PASS |                    |
| INSUL (A041) 1200.00MA | ..... PASS |                    |
| INSUL (A031) 1200.00MA | ..... PASS |                    |
| INSUL (A021) 1200.00MA | ..... PASS |                    |
| INSUL (A011) 1200.00MA | ..... PASS |                    |
| Extract the Cable      |            |                    |

# USB Type-C Tester

## 8761NAC

Test Pin

4-Wire (64/128/256 PIN) | 8761NAC

Cable Tester



For USB Type-C cable/connector testing, the dedicated option MICROTEST 8761NAC is available. It utilizes a 4-wire measurement technology and supports automatic detection of USB Type-C loop orientation for connectors. It offers a maximum AC withstand voltage of 700V and a maximum DC withstand voltage of 1000V. It is equipped with the FX-000C28 2-in-1 current source expansion box, which provides the capability to perform Continuity Test, open/short circuit, safety withstand voltage insulation, RA resistance, and filtering capacitor tests on USB Type-C cables/connectors. By selecting the FX-000C28 2-in-1 current source expansion box, it is possible to conduct 5A voltage drop internal resistance testing and VDO code reading for E-Marker IC on USB Type-C cables.

## Application

USB Type-C Cable, USB Type-C Connector

## Feature

- 4-wire measurement Continuity Test  $1\text{m}\Omega \sim 52\Omega$
- Test pin 64/ 128/ 256
- Automatically identify the normal or reverse plugin of wire or connectors
- Voltage Drop Test for Fast-Charge Products (Optional: FX-000C28C)
- Support bar code scan and print function
- Safety Test(AC Hipot Test/ DC Hipot Test/ DC insulation/ Leakage Current)
- USB Host stores setting files and can update firmware
- Continuity Test, Intermittence Continuity Test, O/S, Intermittence O/S, Quick Intermittence open circuit
- Component test (RA resistance/ Filtering capacitor)



## Standard Interfaces

RS-232

USB Host

Remote

Print

## Specification

| Model                                                    | 8761NAC                                                             |           |
|----------------------------------------------------------|---------------------------------------------------------------------|-----------|
| Measuring Mode                                           | 4-wire                                                              |           |
| Test Pin                                                 | 64/128/256                                                          |           |
| Safety Hipot Test                                        |                                                                     |           |
| AC Hipot Test                                            | 100~700V                                                            |           |
| DC Hipot Test                                            | 50~1000V                                                            |           |
| AC Hipot Leakage Current                                 | 0.01mA~5mA                                                          |           |
| AC Arcing Detection                                      | 1~48                                                                |           |
| DC Hipot Leakage Current                                 | 0.1uA~1200uA                                                        |           |
| DC Arcing Detection                                      | 1~48                                                                |           |
| DC Hipot Insulation Resistance                           | 0.1MΩ~1.2GΩ (Note*1)                                                |           |
| Hipot Output Accuracy                                    | ±5%                                                                 |           |
| Hipot Measurement Accuracy                               | ±5%                                                                 |           |
| Rated Output                                             | 5Vdc                                                                |           |
| Hipot Measurement Time                                   | 0.01sec~60sec                                                       |           |
| Wire Specifications                                      | Maximum allowable capacitance 5μF                                   |           |
| Low Voltage Electrical Test                              |                                                                     |           |
| Continuity Test                                          | Measurement Range                                                   | 1mΩ~52Ω   |
|                                                          | Current Signal                                                      | 10mA      |
| Intermittence Continuity Test                            | 100mΩ~52Ω                                                           |           |
| O/S, Intermittence O/S, Quick Intermittence Open Circuit | 1kΩ~100kΩ                                                           |           |
| OS Positive and Negative Judgment Method                 | Learning netlist by four groups                                     |           |
| OS Voltage                                               | Adjustment range 0.1V-4V                                            |           |
| OS Netlist Test Mode                                     | Pattern/point-by-point scanning                                     |           |
| O/S Terminal Judge                                       | ●                                                                   |           |
| Single-Side Test                                         | ●                                                                   |           |
| Component Test                                           |                                                                     |           |
| Resistance                                               | Measurement Range                                                   | 50mΩ~20MΩ |
|                                                          | Level Signal                                                        | 0.1~3V    |
| Capacitance                                              | Measurement Range                                                   | 10pF~12μF |
|                                                          | Frequency Signal                                                    | AUTO Gear |
|                                                          | Level Signal                                                        | 0.1V~1.2V |
| Diode                                                    | Measurement Range                                                   | 0.1~6.8V  |
| Advanced Functions                                       | Programmable continuous test/ Auto 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                                  |           |
| Panel                                                    | System/ Rapid/ Edit/ Function                                       |           |
| Indicator                                                | Pass/ Fail HV LED red-green indicator lights/ Screen Display/ Sound |           |

Note\*1 | When the setting is set as 5MΩ or below 5uA, the maximum test voltage is 650V and the AC tolerance specification can be set between 0.01mA-5mA.

General

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Power Supply      | Fixed Voltage : 115/ 230 Vac ±10%, Frequency : 60/50Hz                   |
| Power Consumption | 64 PIN : 70VA, 128 PIN : 70VA                                            |
| Interface         | RS-232, USB Host, Print, Remote                                          |
| PC Link Software  | ●                                                                        |
| Operation         | Manual, Auto, Remote Control                                             |
| Display           | 320*240 dot-matrix                                                       |
| Environment       | Temperature : 15°C~35°C, Humidity : RH≤70%                               |
| Dimension (W*H*D) | 64 PIN : 435x145x406mm, 128 PIN : 435x145x406mm, 256 PIN : 435x190x406mm |
| Weight            | 64 PIN : 8.44kg, 128 PIN : 9.3kg, 256 PIN : 14kg                         |

## General

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Power Supply      | Fixed Voltage : 115/ 230 Vac ±10%, Frequency : 60/50Hz                   |
| Power Consumption | 64 PIN : 70VA, 128 PIN : 70VA                                            |
| Interface         | RS-232, USB Host, Print, Remote                                          |
| PC Link Software  | ●                                                                        |
| Operation         | Manual, Auto, Remote Control                                             |
| Display           | 320*240 dot-matrix                                                       |
| Environment       | Temperature : 15°C~35°C, Humidity : RH≤70%                               |
| Dimension (W*H*D) | 64 PIN : 435x145x406mm, 128 PIN : 435x145x406mm, 256 PIN : 435x190x406mm |
| Weight            | 64 PIN : 8.44kg, 128 PIN : 9.3kg, 256 PIN : 14kg                         |

# Combined Intermittent Contact & 5A Voltage Drop Testing: Ensuring USB Type-C Operational Stability

Eliminate Intermittent Open Circuits and Poor Contact

Ensure Stable Connectivity in Dynamic Environments

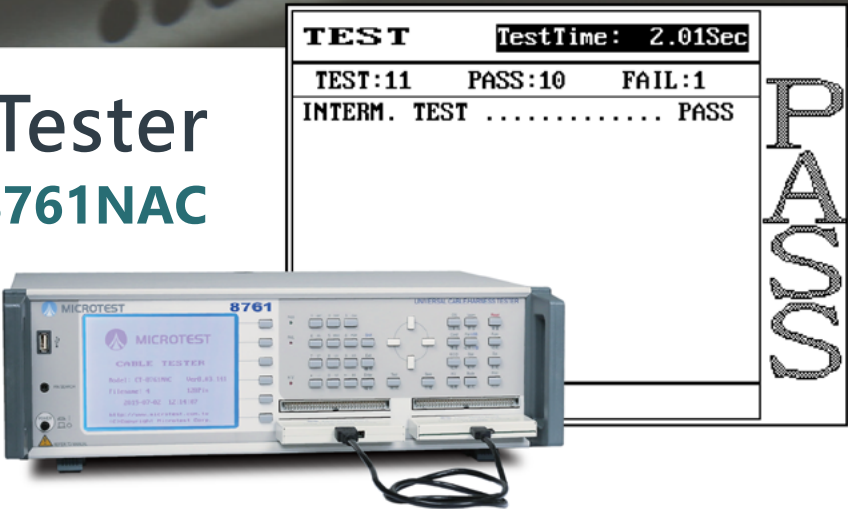
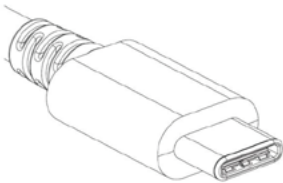
Support USB Type-C Reversible Orientation Identification

Simulate Dynamic Performance Under Real-World Operating Conditions

Measure Voltage Differential and DCR to Guarantee Fast-Charge Quality

Integrate E-Marker IC VDO Code Analysis into Production Testing

## USB Type-C Tester 8761NAC



The objective of Intermittence Continuity Testing is to detect transient open circuits or poor contact caused by dynamic movement or external stress. This ensures that USB Type-C cable assemblies maintain stable connectivity under real-world conditions—such as movement, vibration, or bending stress. By identifying these hidden flaws, the test minimizes risks associated with intermittent failures and significantly enhances overall product quality and reliability.

| Item            | Continuity Test                                           | Intermittence Continuity Test                                            | USB Type-C Critical Testing Items |
|-----------------|-----------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------|
| Test Objective  | Verifies electrical connectivity under static conditions. | Detects intermittent connection issues under dynamic or external stress. |                                   |
| Test Conditions | Cable remains in a stationary/static state.               | Cable is subjected to external force, vibration, or bending.             |                                   |
| Detection Scope | Cannot detect brief, transient contact failures.          | Capable of detecting micro-second open circuits or poor contact.         |                                   |
| Applications    | General-purpose wire harness connectivity testing.        | Critical harnesses for Automotive, Medical, or Automation industries.    |                                   |

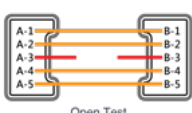
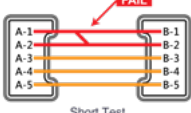
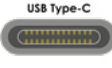
- 5A Voltage Drop & Internal Resistance
- E-Marker IC Parsing (VDO Code, power delivery specifications)
- Protection Component Measurement (Ra resistors, Filter capacitors, Diode)

# Functions

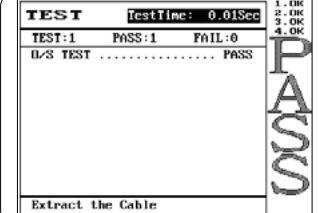
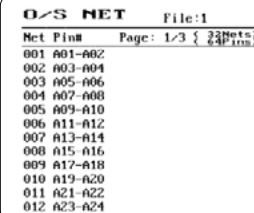
## 8761NAC Supports Standard Electrical Testing for Wire Harnesses

### Support for Open/Short Circuit Testing

When the open/short circuit test function is enabled, the instrument automatically learns the loop of the harness. It detects points at both ends of the cable circuit or between circuits that should not be connected together, identifying faults caused by unintended short circuits.

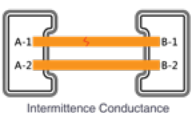
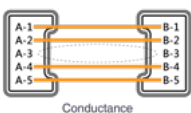


| Model   | Open/Short Test |
|---------|-----------------|
| 8761NAC | 1kΩ~100kΩ       |

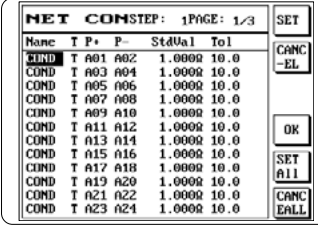
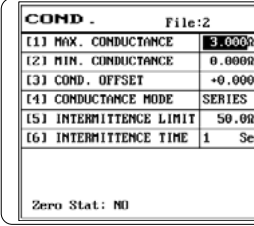


### Support for Continuity Testing

With the continuity test function enabled, the instrument checks all connected pins of the cable for proper continuity, judging by the resistance values.

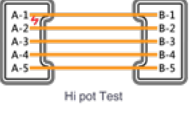


| Model   | Continuity Test | Intermittence Continuity Test |
|---------|-----------------|-------------------------------|
| 8761NAC | 1mΩ~52Ω         | 100mΩ~52Ω                     |

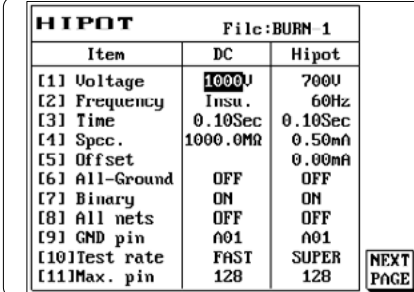


### Support for AC/DC Hipot and insulation testing

MICROTEST Cable Tester supports AC/DC Hipot and insulation testing. It applies a stable high voltage to test the dielectric strength and insulation performance of cables. The tester can also enable arc detection to assess whether cable connectors arc under high voltage conditions, ensuring compliance with safety standards for cable quality.



| Model                       | 8761NAC           |
|-----------------------------|-------------------|
| AC Voltage/ Leakage Current | 100V~700V/ 5mA    |
| DC Voltage/ Leakage Current | 50V~1000V/ 1200μA |
| Insulation Voltage/ Range   | 50V~1000V/ 1.2GΩ  |

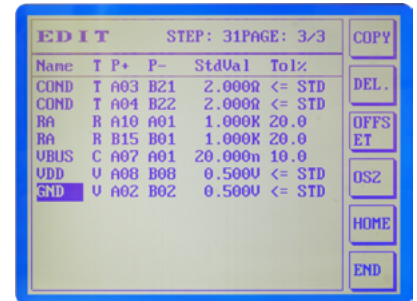
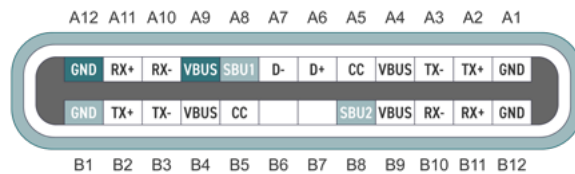


## Testing of RA Resistors, Filter Capacitors, and Diodes

USB Type-C cable circuit protection design typically includes RA resistors (Resistor Assembly) and filter capacitors to ensure signal integrity and EMI resistance. Additionally, diodes are installed between the plug and socket pins and ground.

The 8761NAC automatically identifies the positions of RA resistors, filter capacitors, and protection diodes in USB Type-C cables, learns the circuit layout, and conducts tests.

- Isolation Diode
- RA Resistor
- Signal Line vs. Ground - Filter Capacitor
- Signal Line vs. Ground - Equivalent Capacitance



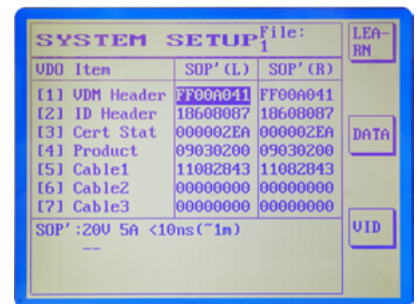
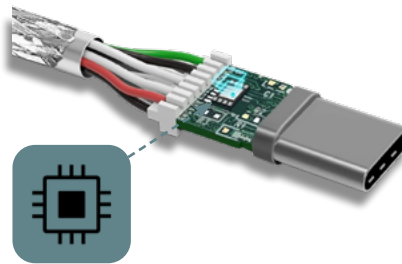
## Support for interpreting the VDO Code burned into E-Marker ICs

USB Type-C 3.1 and above versions incorporate E-Marker ICs, enhancing connector intelligence and safety. The 8761NAC reads the Vendor Data Object (VDO) from each E-Marker IC, performs learning and comparison tests, and displays the VDO data for each USB Type-C cable, along with the supported power specifications of the cable assembly.

\*Option FX-000C28/ FX-000C28C



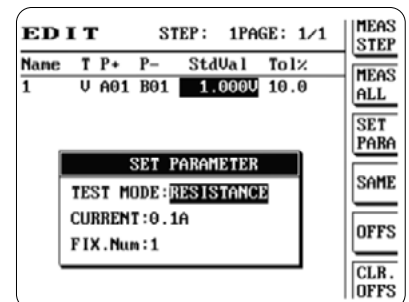
FX-000C28  
(2-in-1 current source expansion box)



## 5A Voltage drop test (Voltage difference/Internal resistance)

As fast charging moves towards higher power levels, charging cables need to support up to 5A of high current. Key factors in cable quality include voltage drop and internal resistance. Voltage drop affects charging efficiency and speed, while lower internal resistance contributes to more efficient energy transfer.

MICROTEST Voltage Drop Solutions: Supporting Up to 5A for USB Type-C and Fast-Charge Cable Testing

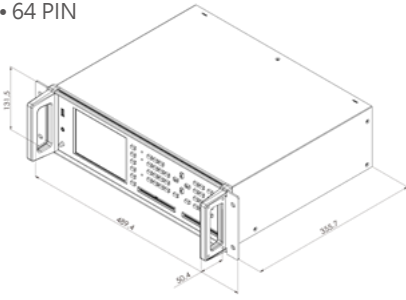


| 2-in-1 Current Source Expansion Box (5A) |                                                                                                         |                                                                                                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                                    | FX-000C28                                                                                               | FX-000C28C                                                                                                                                            |
| Spec                                     | <ul style="list-style-type: none"> <li>• 5A Voltage Drop Test</li> <li>• E-Marker IC Parsing</li> </ul> | <ul style="list-style-type: none"> <li>• 5A Voltage Drop Test</li> <li>• E-Marker IC Parsing</li> <li>• External Lead-Wire Testing Support</li> </ul> |

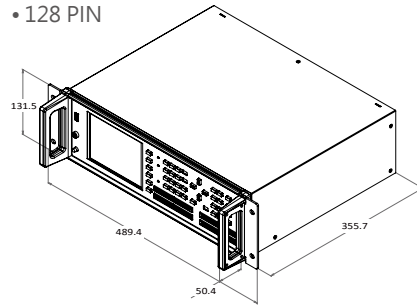
## Automatic Chassis Dimension -8761NAC

• Dimension (mm)

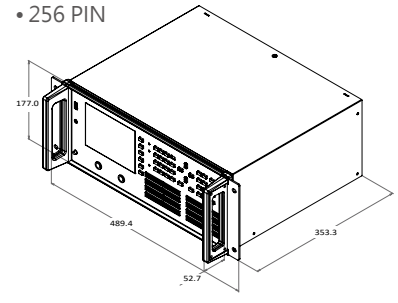
• 64 PIN



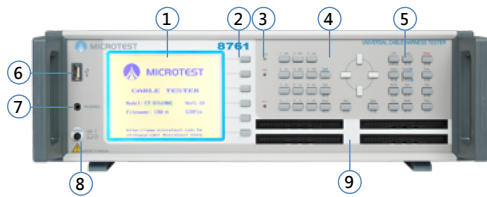
• 128 PIN



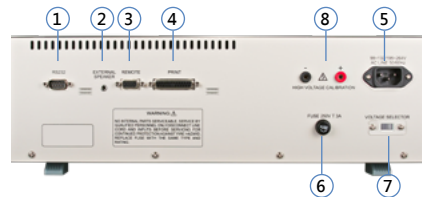
• 256 PIN



## Appearance



1. LCD Screen
2. Function Key
3. PASS & FAIL & HIPOT
4. Direction/ Numeric Key
5. System Key
6. USB
7. Pin Search
8. Power Switch
9. 64Pin: 2 Slots, 128Pin: 4 Slots, 256Pin: 8 Slots



1. RS232
2. Audio Output Socket
3. Remote
4. Printer
5. AC INPUT
6. Fuse Block
7. 115/230V Switch
8. High Voltage Correction Output Connector

## Ordering Information

| USB Type-C Tester                                                                                                                                                        | Standard                                                                                                                                                                                                                                                                       | Optional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>8761NAC (64Pin/AC 700V/DC 1000V)</li> <li>8761NAC (128Pin/AC 700V/DC 1000V)</li> <li>8761NAC (256Pin/AC 700V/DC 1000V)</li> </ul> | <ul style="list-style-type: none"> <li>FX-000C16 Adapter Board</li> <li>FX-000C21 USB Type-A Test Fixture</li> <li>FX-000C22 USB Type-C Test Fixture</li> <li>AK-8600F2 Cable-64pin TO 64pin (40cm)</li> <li>TL-CB0006 Search Pin-Probe (150cm)</li> <li>Power Cord</li> </ul> | <ul style="list-style-type: none"> <li>AK-8600F2 Cable-64pin TO 64pin (40cm)</li> <li>FX-000C21 USB Type-A Test Fixture</li> <li>FX-000C22 USB Type-C Test Fixture</li> <li>FX-CB0001 Wi-Fi Fixture</li> <li>TL-CB0001 Cable-64pin TO 64pin (100cm)</li> <li>TL-CB0002 Cable-64pin TO 64pin (200cm)</li> <li>TL-CB0004 Cable-26pin TO 26pin (40cm)   Supports USB Type-C Test Fixture 8740-F2</li> <li>TL-CB0005 Cable-64pin TO 64pin (40cm)</li> <li>F874001 Multiple DUT Testing Expand Box (Expand up to 14 DUTs)</li> <li>F874002 Multiple DUT Testing Expand Box (Expand up to 14 DUTs/Signal Light Display)</li> <li>F874004 Networking Fixture</li> <li>F874005 Remote Signal Light Box</li> <li>FX-000C15 Adapter Board (4-wire 64pin TO 2-wire 64pin)</li> <li>FX-000C17 Adapter Board (4-wire 32pin TO 2-wire 32pin)</li> <li>FX-000C18 Intermience O/S Fixture</li> <li>FX-000C25 Remote Expansion Box (Multiple DUT Test/ Remote Signal Light Display)</li> <li>FX-000C27 Current Expand Box- 5A Voltage Drop Test</li> <li>FX-000C28C 2-in-1 Current Expansion Box- 5A Voltage Drop Test, E-Marker IC Test   Top pin header for external test leads</li> <li>FB-8600M1 Universal Fixture Board</li> <li>F760001 D-Sub Foot Switch (15 PIN)</li> <li>TL-000011 USB TO RS-232 Cable</li> <li>TL-000012 D-Sub Cable</li> <li>TL-000003 RS-232 Cable (180cm)</li> <li>KB-8750K1 Calibration Kits-4-Wire   Model.8761</li> <li>TM-U220PB-T EPSON Printer- TM-U220PB (Traditional Chinese/English)</li> <li>TM-U220PB-S EPSON Printer- TM-U220PB (Simplified Chinese/English)</li> <li>PC Link Software</li> </ul> |

## Fixture & Accessories

### TL-CB0006

Probe



### TL-CB0003

Probe



### AK-8600F2

Cable



|                       |                                                    |       |                                |
|-----------------------|----------------------------------------------------|-------|--------------------------------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8730  | 8765/8765NAK/8740/8761/8761NAC |
| Accessory Description | 150cm                                              | 105cm | 40cm   64pin TO 64pin          |

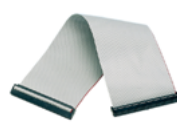
### TL-CB0005

Cable



### AK-8600F1

Flexible Flat Cable



### TL-CB0001

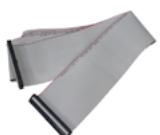
Cable



|                       |                              |                                             |                                            |
|-----------------------|------------------------------|---------------------------------------------|--------------------------------------------|
| Applicable Models     | 8765/8765NAK/8761NAK/8740NAK | 8765/8765NAK/8740/8761/<br>8761NAK/ 8740NAK | 8765/8765NAK/8740/8761/<br>8761NAC/8740NAK |
| Accessory Description | 40cm   64pin TO 64pin        | 30cm   64pin TO 64pin                       | 100cm   64pin TO 64pin                     |

### TL-CB0002

Cable



### FX-000C15

Adapter Board



### FX-000C16

Adapter Board



|                       |                                                    |                                       |                                                     |
|-----------------------|----------------------------------------------------|---------------------------------------|-----------------------------------------------------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8765/8765NAK/8761/8761NAC/<br>8761NAK | 8765/8765NAK/8740/ 8761/8761NAC/<br>8761NAK/8740NAK |
| Accessory Description | 200cm   64pin TO 64pin                             | 4-wire 128pin TO 2-wire 64pin         | 2-wire 64pin TO 2-wire 64pin                        |

### FX-000C17

Adapter Board



### FX-000C21

USB Type-A Test Fixture



### FX-000C22

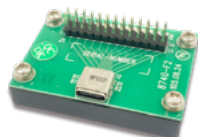
USB Type-C Test Fixture



|                       |                                       |                         |                         |
|-----------------------|---------------------------------------|-------------------------|-------------------------|
| Applicable Models     | 8765/8765NAK/8761/8761NAC/<br>8761NAK | 8761NAC                 | 8761NAC                 |
| Accessory Description | 4-wire 64pin TO 2-wire 32pin          | USB Type-A test fixture | USB Type-C test fixture |

### 8740-F2

USB Type-C Test Fixture



### TL-CB0004

Cable-26pin to 26pin



### FX-000C27

Current Expand Box



|                       |                         |                                                    |                                                      |
|-----------------------|-------------------------|----------------------------------------------------|------------------------------------------------------|
| Applicable Models     | 8761NAC                 | 8761NAC                                            | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK   |
| Accessory Description | USB Type-C test fixture | Supports USB Type-C Test Fixture<br>8740-F2   40cm | 5A Voltage Drop Test   Applicable to<br>Wire Harness |

### FX-000C18

Intermience O/S Fixture



### FX-000C25

Remote Expand Box



|                       |                                                                                                                                                                     |                                                    |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK                                                                                                                  | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK |
| Accessory Description | Electronic Short/ Open Circuit<br>Simulator ( $\mu$ s-ms range), with BNC<br>output for oscilloscope connection;<br>electronic switch withstand voltage<br>up to 5V | Multiple DUT Test, Remote Signal<br>Light Display  |

**F874001**

Multiple DUT Testing Expand Box

**F874002**

Multiple DUT Testing Expand Box

**F874005**

Remote Signal Light Box



|                       |                                                    |                                                    |                                                    |
|-----------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK |
| Accessory Description | Expand up to 14 DUTs                               | Expand up to 14 DUTs/ Signal Light Display         | Remote Signal Light Display                        |

**FB-8600M1**

Universal Fixture Board

**F760001**

D-Sub Foot Switch (15 PIN)

**TL-000012**

D-Sub Cable



|                       |                                                    |                                                    |                      |
|-----------------------|----------------------------------------------------|----------------------------------------------------|----------------------|
| Applicable models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8740/8761NAC/8740NAK |
| Accessory Description | Terminal test                                      | Using in production line                           | 150cm   15M TO 15M   |

**TL-000011**

USB to RS-232 Cable

**TL-000003**

RS-232 Cable (180cm)

**KB-8750K1**

Calibration Kits-4 Wire



|                       |                                                    |                                                    |                   |
|-----------------------|----------------------------------------------------|----------------------------------------------------|-------------------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8765/8765NAK/8761 |
| Accessory Description | Using in production line                           | Using in production line                           | 9 pcs             |

**KB-8730K1**

Calibration Kits-2 Wire

**TM-U220PB-T**EPSON Printer (Traditional Chinese/  
English)**TM-U220PB-S**EPSON Printer (Simplified Chinese/  
English)

|                       |           |                                                 |                                                 |
|-----------------------|-----------|-------------------------------------------------|-------------------------------------------------|
| Applicable Models     | 8730/8740 | 8765/8765NAK/8730/8740/8761/<br>8761NAK/8740NAK | 8765/8765NAK/8730/8740/8761/<br>8761NAK/8740NAK |
| Accessory Description | 6 pcs     | Connect print port, for print testing data      | Connect print port, for print testing data      |

**F874004**

Networking Fixture

**8730-J2**

Adapter Board



|                       |                                                    |       |
|-----------------------|----------------------------------------------------|-------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8740  |
| Accessory Description | Turn RS232 connector to ethernet<br>10/ 100 Mbps   | 64pin |

**FX-CB0001**

Wi-Fi Fixture

**FX-000C28C**

2-in-1 Current Expand Box

|                       |                                                    |                                                                                       |
|-----------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicable Models     | 8765/8765NAK/8740/8761/8761NAC/<br>8761NAK/8740NAK | 8761NAC                                                                               |
| Accessory Description | Wi-Fi Fixture                                      | 5A Voltage Drop Test, E-Marker IC<br>test   Top pin header for external test<br>leads |