

USB Type-C Tester

8761 NAC



Features

- 4-wire measurement Cond. Resistance 1mΩ-52Ω
- Test pin 64/128
- Number of test file up to 500 sets
- Using fixture FX-000C21/FX000C22
- Automatically identify the normal or reverse plugin of wire or connectors
- 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 and wires



CE RS-232 Remote USB Host Print

Accessories / Fixtures

Standard

- Power Cord
- FX-000C16
- FX-000C21
- FX-000C22
- AK-8600F2
- Probe

Optional

- PC link software
- Remote control cable
- KB-8750K1
- F874001
- FX-000C15
- FX-000C17
- FX-000C18
- Networking Fixture
- D-Sub foot switch (F760001)
- Printer

Key Features

A USB Type-C Test Solution (Option FX-000C28)



FX-000C28 2-in-1 Current Expand Box

- Voltage Drop Test (5A)
- E-Marker's VDO Data Test

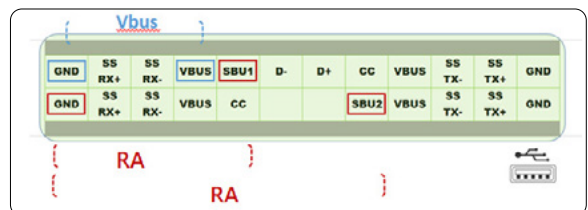
TEST			SYSTEM SETUP		
TestTime: 2.60Sec			File: 1		
TEST:47	PASS:24	FAIL:23	VDD Item	SUPP (L)	SUPP (R)
E-Marker TEST..... PASS			(1) ID Header	18001612	18001612
			(2) Cert Stat	00002075	00002075
			(3) Product	11000000	11000000
			(4) Cable1	00002FD1	00002FD1
			(5) Cable2	00000000	00000000
			(6) Cable3	00000000	00000000
			SUPP: 500mA <10ms (1m)		
			USB 2.0 Gen1		

Learning test the USB Type-C E-Marker IC's code
Reading E-Marker's VDO Data using the FX-000C28.

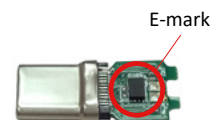
EDIT					MEAS STEP
STEP: 1PAGE: 1/1					MEAS ALL
Name	T	P+	P-	StdVal	Tol%
1	V	A01	B01	1.000V	10.0
SET PARAMETER					
TEST MODE: RESISTANCE					
CURRENT: 0.1A					
FIX. Num: 1					
SET PARA					
SAME					
OFFS					
CLR. OFFS					

Measure voltage difference and inner resistance (FX-000C28)
Voltage difference and Resistance is the important figures for the quality.

B E-mark IC of USB Type-c



NET CONSTEP: 4 PAGE 3/3					
Name	T	P+	P-	StdVal	Tol%
COND	T	A04	B22	3.0000	<= STD
RA	R	A10	A01	1.000K	20.0
RA	R	B15	A01	1.000K	20.0
VBUS	C	A07	A01	10.000n	20.0
CC	C	A15	A01	800.000n	20.0
CC	C	B10	B01	800.000n	20.0
D	D	A10	A07	3.900V	>= STD
D	D	A07	A10	0.800V	<= STD
D	D	B15	B07	3.900V	>= STD
D	D	B07	B15	0.800V	<= STD



NAC model can measure short circuit and on-resistance, also can measure Emark IC, the resistance 1KΩ-Ra, the forward and reverse bias of the diode, the bypass of the TxRx signal line to Gnd, and other calibration capacitors (this equivalent capacitance will vary depending on the length of the line) and the Vbus filter capacitor to Gnd.

Specification

Model Name	8761NAC		
Cond. Resistance	1mΩ-52Ω		
Intermittence Cond. Resistance	1mΩ-52Ω		
Measuring Mode	4-wire		
Test Pin	64/128		
AC Output Voltage	100-700V		
DC Output Voltage	50-1000V		
Hipot Output Accuracy	±5%		
Hipot Measurement Accuracy	±5%		
Rated Output	5Vdc		
Hipot Measurement Time	0.01 sec-60 sec		
Wire Specifications	Maximum allowable capacitance 5μF		
Measurement Items and Measurement Range	AC Hipot Leakage Current		0.01mA-5mA
	DC Hipot Leakage Current		0.1μA-1000μA
	DC Hipot Insulation Resistance		1MΩ-1.2GΩ
	O/S, Intermittence O/S, Quick Intermittence open circuit		1kΩ-100kΩ
	Resistance	Measurement Range	50mΩ-20MΩ
		Level Signal	0.5-3V
	Conductance	Current Signal	10mA
		Measurement Range	10pF-12μF
	Capacitance	Frequency Signal	AUTO Gear (Optional) 48Hz / 480Hz / 4.8kHz / 48kHz
		Level Signal	0.3V-1.2V
		Diode	
	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		
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		
Panel	System / Rapid / Edit / Function		
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	8761NAC (64)- 70VA, 8761NAC (128)- 70VA
Interface	RS-232, USB Host, Print, Remote
Operation	Manual, Auto, Remote Control
Display	320*240 dot-matrix display
Environment	Temperature: 15°C-35°C, Humidity: RH≤70%
Dimension (W*H*D)	8761NAC (64)- 435×145×406mm, 8761NAC (128)- 435×145×406mm
Weight	8761NAC (64)- 8.44kg, 8761NAC (128)- 9.3kg