2-Wire Cable Tester

8740NAK/8740NK

Specification

- Auto diagnosis and correction function
- 1024 test pins
- On-reststance, instance conduction, O/S, instance O/S, fast instance O/S.
- Safety test (AC Hipot/ DC Hipot/ IR / Leakage current)
- Component test (R/C/Diode)
- Support USB Host, RS-232, Remote, Print.

Application

- Automobile harnesses
- Wire harnesses/connectors for consuming electronic products.
- Power application PCB/FPC multi points withstanding test.





Accessories

Standard

- Power Core
- 64P/3KV cable(AK-8600F3)
- Probe
- FX-000C16

Optional

- PC link
- Remote cable
- Calibration kit (KB-8750K1)
- Expansion box (F874001)
- Printer
- Networking fixture
- D-Sub Foot switch (F760001)

Features



Most of harnesses are made of copper. Several to dozen thin harness were covered by plastic insulating tube. They are soft and not easy to break. The normal cross-sectional area are 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 4.0, 6.0, There are all with different load current values for different power devices.

Example		
Specification	Application	
0.5	Dashboard light, side light, door light	
0.75	Plate light	
1.0	Fog light, indicator	
1.5	Head light, horn	
2.5-4	Main power cable, Generator cable	
Common production defect		

Insulation layer or dislocation might happen during manufacturing process. That may cause poor connection or insulation.

Electrical Inspection				
Conductivity Test	Detect the contact resistance problem on the terminal.			
Hipot Test	Detect the circuit contact fit the insulation value.			
Resistance Test	Detect the O/S problem on the contact point of the			



ITEM SEL. File:1		
FTDA	TEST	ì—
FIR GTON/SHORT	47	Ī
123 CUNDUCTOMOE	V	
(3) COMPONENT		Ī
FAIT AC HIPDT	V	
153 DC IMSUL /HIPDT		Ī
163 Q.CONDUCTANCE	V.	1
LV3 INTERNITTENCE 0/8	V	İ
[83 Q.]MTEF#17T. DPEN	-	Ī

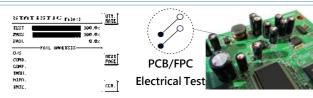
A. Auto learning/Conductivity/Hipot/Component Test

O/S Test

Detect the harnesses/ connectors in the circuit which should connect but doesn't, or opposite.

Hipot Test

Apply a stabile high voltage and test the insulation or any leakage happen.



B. Calculation Function

8740NAK offer result calculation which can show the number of pass/fail and the reason caused.

Specification

Model Name		8740NAK	8740NK			
AC Hipot		100-700V	-			
DC Hipot		50-1000V 50-1000V				
Technology		2-Wire				
Test pins		1024				
Hipot output accuracy		±5%				
Hipot test accuracy		±5%				
Rate output		5Vdc				
Hipot test time			0.01s			
Cable spec. request		Max. capacitance 5uF				
	Cond. Resistance		100mΩ-52Ω			
	Intermittence Cond. R	esistance	100mΩ-52Ω			
	AC withstanding volta	ge leakage current	0.01mA -5mA	1*		
	AC arching detect	AC arching detect				
	DC withstanding volta	ge leakage current	0.1uA-1000uA	2*		
	DC arching detect					
	DC withstanding volta	ge insulation resistance	1MΩ-1GΩ			
	O/S/Instant O/S/Fast in	nstant short	1kΩ-100kΩ			
Test items and range	Support O/S point insp	pection	•			
	Single side test		•			
	Resistance	Range	100m Ω -2M Ω			
		Signal Level	Rated 2.4V			
	Conductance	Current signal	35mA			
	Capacitance	Range	10pF-3uF			
		Frequency signal	AUTO (Rated) 48Hz/ 480Hz/ 4.8kHz/ 48kHz			
		Level	Rated 1.2V			
	Diode test	Range	0-7V			
Advance function	Programable continuo	Programable continuous test/ auto search/ auto diagnose				
Scanning mode	Auto/ Manual/ Externa	Auto/ Manual/ External				
Memory	Max. 500 sets	Max. 500 sets				
Dashboard	System/ Fast/ Edit/ Function key					
Indicatior	Pass/Fail (LED) / Red/ Green light/ Display/ Sound					

1*(Must do correction before test when spec. is lower than 0.1mA) 2*(Please read the manual carefully before doing this test)

Power	Fix voltage 115/230 Vac ±10% Freq. 60/50Hz	
Fowei	FIX Vollage 113/250 Val. ±10 % Fiet. 00/30H2	
Power consuming	250VA	
Interface	RS-232, USB Host, Print, Remote	
Launch mode	Manual, Auto, Remote Control	
Display	320*240	
Operation Environment	Temperature : 15°C-35°C Humidity : RH≦70%	
Dimension(W*H*D)	435×270×360mm	
Weight	18kg	