YHPConnect

4 & 2 Wire Test Measurement Cable Tester with Hi-Pot
1500Vdc, 1000Vac – 256 Test Points

YHPC-CT9687A-256P

256 P FOR 2 WIRES TEST
128 P FOR 4 WIRES TEST

4 Wire Testing Hypothetical Set-up

4 Wire Testing has been used for industries that require tight control of cable resistance for diagnostic usage in medical applications, communication usage, research & development and also for industries where battery consumption is critical. So what does a hypothetical 4 Wire set-up look like?

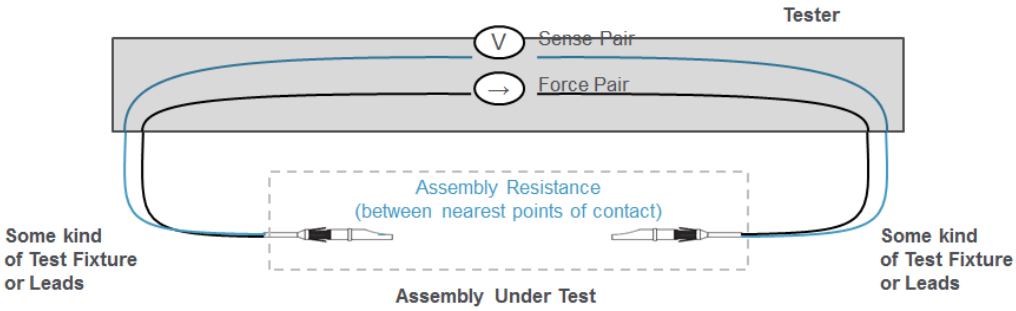

Figure 6: Hypothetical 4 Wire Testing Set-up

The set-up in Figure 6 allows for the resistance that is being measured to only include the DC Resistance of the Unit Under Test (UUT). The resistance of the test fixture(s) / lead(s) is eliminated from the DC Resistance measurement. You can see that the hook-up of the UUT requires two wire hook-ups for each point of point contact, unlike the past recipe(s) that have historically been used. One can see from Figure 6 that these point to point connections are called: Sense Pair and the other Force Pair. This mechanism will allow for DC Resistance accurate measurements to the 0.001 ohm level vs. the 0.1 ohm level used historically. Many of the cables that are present in Applied Materials have DC Resistance levels in the 100 – 200 m-ohm level.

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Features

System use 4 wire measurement to give precise value.
It can be use as 2 wire measurement.
The system provides Chinese and English language.
System do self check and correction.
Auto scan and Auto pin search.
Intermittent Conductance and O/S.
Can do single end checking.
Maximum AC1000v / DC 1500v for HI-POT test.
Maximum 256 test points for 2 Wire Test
& 128 test points for 4 Wire Test.
Large 320X240 LCD display.
Linear and Safety Test All in one.
Full Programming Sequence Test.

Test Item

Item	Symbol	Test Range
Open/Short	O/S	1KΩ~50KΩ
Intermittent O/S		1KΩ~50KΩ
O/S End Judgement		
Conductance	COND	0.1mΩ~50Ω
Intermittent Cond.		0.1mΩ~50Ω
Resistance	R	0.01Ω~10MΩ
Capacitance	C	10pF~1000μF
Zener	Zener	0~7V
Insulation	IR	0.1MΩ~1.5GΩ
Hipot	Hipot	Max 5mA

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Advanced Function
- 4-Wire Measurement
- Programmable Sequential Test
- Auto Pin Search
- Self Diagnostic
- Self Calibration

Scanning Mode
- Auto/Short Switchable

Test Signal Information
- Output Rating : 5Vdc
- DC Hipot/Insulation
- 50 ~ 1500Vdc , 100 ~ 1000Vac
- 50V Resolution
- ±1% Accuracy

Display & Sound
- 320×240 Graphic LCD Display
- Pass/Fail LED Indicator/LCD Display
- Internal Speaker

Connection
- 256 I/O (2 Wires), 128 I/O (4 Wires)
- Hipot Calibration (+/-) Output
- Auto Pin Search Jack

Front Panel Control Buttons
- SysKey/FastKey/EditKey/SoftKey

I /O Interface

RS-232 Port	OPTIONAL
Printer Port	OPTIONAL
Remote Control Port	OPTIONAL

Memory

Flash Memory	512k
Max 56 Setup Files	

Power Supply
- 115/230 Vac±10% Switchable
- 60/50 Hz

Accessory
- Remote control cable(Optional)
- RS-232 cable(Optional)
- Power cord
- User's Guide

Operation Enviroment

Temperature	15°C~40°C
Humidity	RH≦75%

Dimension(WxHxD)
- 450x190x460mm

Weight
- Approx. 13Kg(Without accessory)

Cable Capacitance Limit
- 1μF Max

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