. 使用说明书

. User Manual

硅半导体测试仪
Si Material Tester

型号*(Model)*：*SSRPT*

杭州晶翔电子科技有限公司
Hangzhou Kingsun Electronic Technology Ltd

A. Use manual

1 Install the 9v battery in correct position and direction, and connect the cable to the host.

2 Press [⚿] key to throw the power on.

3 Displayed the boot screen, until a few seconds to the test interface.

4 Press [▲] or [▼] to display the thickness icon.

5 Press [SET], and the thickness icon twinkles，then you can set the thickness.

6 Press [▲] (increase)or [▼] （decrease）to make the thickness parameter values equal to that of the samples. The scope of the thickness parameter is 0.01~4mm. If the thickness of the sample is beyond the scope, just set the thickness parameter at 4mm.

7 Press [SET] again，the thickness icon stops twinkling，and the value has been stored. (If the next sample has the same thickness, the above two steps can be omitted.)

8 Press the surface of the sample with the probe, and the screen of the host shows the value of the resistivity .

9 You can refer to step 4~7 to set the alarm threshold with the icon [🔊] .

10 If there are deviations between measure values and actual values, you can set the correction coefficient with the icon Ⓚ ，refer to step 4~7. Be sure that the thickness value equals to that of the standard wafer. The default of the correction coefficient is about 4290 (little more or less), and you need not to calibrate it generally.

11 Press [⚿] for about two seconds until the LED screen is dark to power off the tester.

B Detail

1 9-volt batter is applicable, and alkaline one is better.

2 Insert the four-probe line by gap alignment to the corresponding probe interface of the host.

Hold tail to push into the host

Hold ring to pull out from the host

Don't rotate!!!

Figure 1 Connection of cable and host

3 Turn on the tester, LED screen shows as below.

		5.5002		
				VER
		71220 WWW.SUNSITEC.COM		

The row above shows the version and sequence, the row below shows the time of the production. The test is version 5.5, NO.002, made on Dec.20th, 2007.
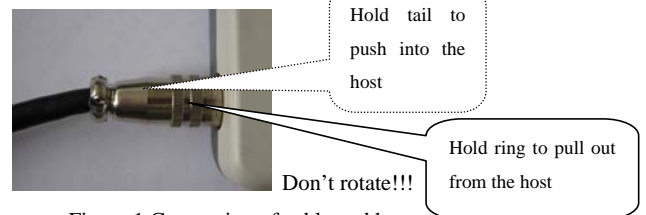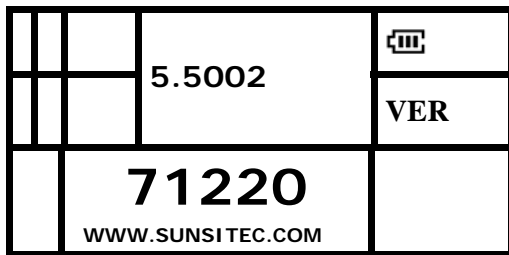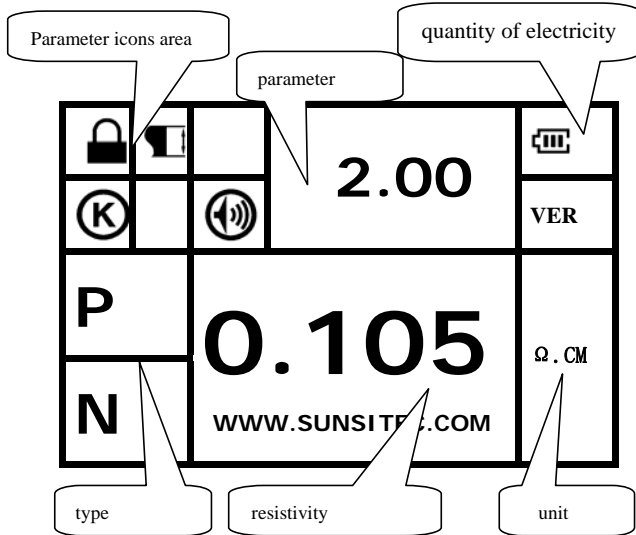
Seconds later, it shows the test interface.

note：the above interface shows all the possible icons, and in actual it shows only one in a time，more information as below.

1) parameter icons area

the icons in the area：

🔒 interface is locked

▮ thickness of sample

Ⓚ correction coefficient

🔊 alarm threshold

2) parameter value

The value of the icon in the icon area.

Thickness scope is 0.01~4mm

Correction coefficient 4000~5000

Alarm threshold 0.0～1.0 Ω.cm

3) quantity of the electricity

the icon is 🔋

When the quantity is nearly empty, you need to change for a new battery.

4) type

Shows P/N type of the sample.

5) resistivity

Shows the resistivity of the sample

When the value of the resistivity is in the scope 0~1,there are three numbers after decimal point.

When the value is in the scope 1~10, there are two

When the value is in the scope 10~100, there is one

6) unit

The unit of the resistivity is Ω.cm

4 Keys

1) power/lock

When the tester works：press it to power off ，click it to lock/unlock the test interface.

When the tester is power off：press it to power on.

Notes：

a) when the tester is power off ,it still has minimal power consumption, however, when power down(without the battery),it has no power consumption.

b) When power off, turning on again takes less time to the test interface than when power down.

c) In power off state, the parameters (thickness, alarm threshold for example) you have set are stored in the system, but in power down state, you will lost all the parameters which you have set, when turn on again, you just have the defaults.

If you will not use the tester for a long time, ten days or more for example, you'd better power it down.

2) increase

In testing mode you can choose the parameters to display or to set.

In setting mode, click it to increase the value, long press it to speed-up increasing.

3) set

Enter or exit the setting mode. In setting mode, the parameter icon flashes.

4) decrease

In test mode it is the same as the increase key, in setting mode it is opposite to the increase key.

Guarantee		
product	name	Silicon resistivity tester
	type	*SSRPT*
	sequence	
examiner		1
Manufacture signiture		*Hangzhou Jinsun Electronic Technology Ltd*
2010-06-01		

Guarantee

1．Since the day you buy it, we guarantee the host for one year.
2．Probe（Pin、Connection wire）are consumption material, not guarantee.
3．有下列情形恕不免费维修：
    a)   未能出示本保修卡者。
    b)   用法错误或自行拆开以致损坏者。
    c)   由于人为损坏、不当电压造成故障者。
    d)   产品外观因使用而自然污旧不属于保修范围。

Packing List

name	quantity	remark
Host (main box)	1 pcs	
Wire	1 pcs	
Four-probes Head	1 pcs	8 Pin
instruction	1 pcs	Include Guarantee

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