SRPT-VI Portable Si Resistivity and Type Tester
(Soft Ver3.14)

Alarm Threshold

Thickness

Resisitivity

Type

Power Key

9V battery

Parameter adjust knob

Four-probes-head

Wire

Four probes interface
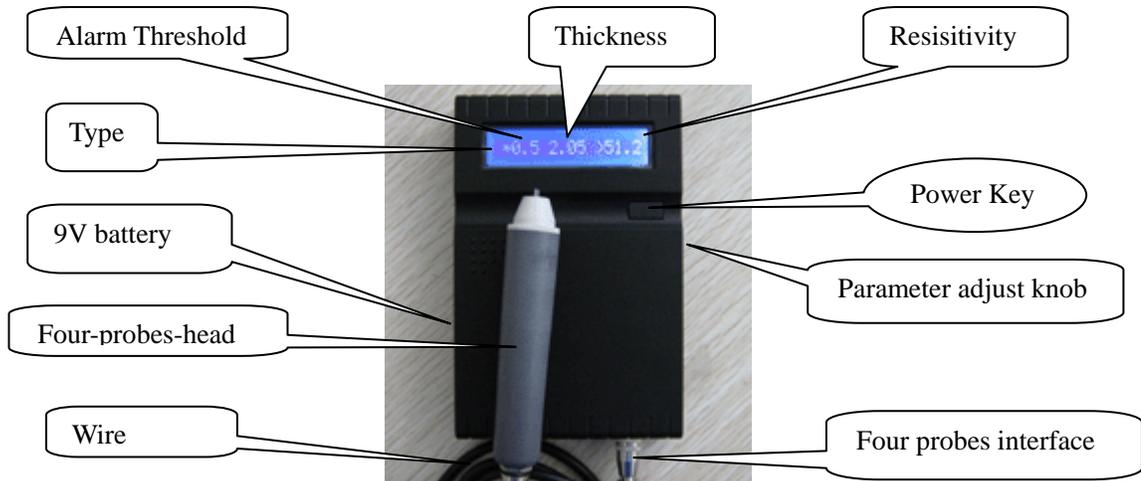
Power: Alkali 9V battery.
1. Press the Power Key to turn on the tester.
2. Connect the wire correctly. Take attention to the interface of the wire. Match the probes to the holes. When pulling out the wire, please hold the metal ring tightly. Do not pull the wire.
3. Two parameters need to be changed: Alarm Threshold and Thickness of the wafer.
   a. The tester will alarm when wafer's resistivity is below the Alarm Threshold (Ohm*cm). The Alarm Threshold can be set in the range of 0.0 to 1.0, with step 0.1. If no alarm is needed, it should be set 0.0.
   When turning on the test, our website will be display for 3 seconds. If needed, the Alarm Threshold can be adjusted in this 3-second period. The Alarm Threshold can be changed by turning the knob. After 2 seconds, the tester will be ready for measure.
   b. If needed, the Thickness of the wafer can be set at any time during the measure process. The Thickness range is from 0.00 to 3.98 mm. If the wafer thickness is larger than 3.98mm, just set it 3.98 mm.
4. When measuring, hold the four probe head and contact it with the lapped wafer surface. Press the four-probe-head down during the measure process. The measure results will be displayed in the LCD.

NOTE:
● Resistivity range: 0.01~50 Ohm*cm;
● Measure error:
   Resistivity (0.1 ~ 1 Ohm*cm): <10%.
   Resistivity (1 ~ 50 Ohm*cm): <20%.
● Type measurement range: 0.1-1000 Ohm*cm. The Type may be not correct when the resistivity is below 0.1 Ohm*cm.
● Before measuring, please rub the wafer surface so that it can be rough.
● Guarantee period: 12 months (excluding wire and probe-head).
● If   have any problem using the tester ,please contact with wwin2000@hotmail.com or sjq200604@163.com