

Probe - 3225

Multi-function Four-probe Tester



Four Probe Tester

Test Bench

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Analytical Technologies Limited

An ISO 9001 Certified Company

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►► First\Structure Characteristics:

Multi-function digital four-probe tester is a multi-purpose and intellectualized comprehensive Probe3225 multi-function digital four-probe tester measuring instrument for material resistivity/square resistance based on the principle of four-probe measurement.

The instrument is compliant with GB/T 1551-2009 Test method for measuring resistivity of monocrystal silicon, GB/T 1552-1995 Germanium monocrystal - Measurement of resistivity-DC linear four-point probe and refer to American A.S.T.M standard.

►► Second\Industry application and supporting selection:

Instrument composition: It is composed of the instrument, test bench and probe. The specific models of four probe test bench and four-point probe shall be selected according to the specific application scenario conditions and requirements. See the following series of drawings

Selection of test bench

SZT-C (Manual, fast and constant pressure, recommended)

1) Equipped with wear-resistant tungsten carbide probe, Such as ST2253-F01A. It is used to test the resistivity/square resistance of hard materials such as silicon, metal, conductive plastics, etc.

2) Equipped with spherical or flat head gold-plated copper alloy probe, it can avoid damaging the film, such as ST2558B-F01A, ST2258-F03A. It can be used to measure the resistivity/square resistance of conductive film on metal foil, carbon paper, ceramic, glass or PE film, such as metal coating, spraying film, ITO film, capacitance convolution film, etc.

3) Equipped with special metal foil coating probe, such as ST2558B-F02. It can test the resistivity/square resistance of the coating on the lithium battery or other metal foil.



Test silicon



Test ITO film



Test coating on metal foil



Test carbon square



Test solar cells

►► Third \ Advantage Characteristics :



1) The instrument has the function of automatic classification of test results, which can be divided into 10 levels at most



2) With 8-gear ultra wide range, leading in the industry. The instruments in the same industry are generally in five to six gears.



3) All parameter setting and function conversion adopt digital keyboard input, which is simple and can avoid the instability of analog positioner.



4) USB communication interface can be added to facilitate its expansion into the test module of integrated test system.

►► Fourth \ Technical parameter :

• Measuring range.resolution

Resistance: $10.0 \times 10^{-6} \sim 200.0 \times 10^3 \Omega$,
 $(1.0 \times 10^{-6} \sim 20.00 \times 10^3 \Omega,$

Resistivity: $10.0 \times 10^{-6} \sim 200.0 \times 10^3 \Omega \cdot \text{cm}$
 $1.0 \times 10^{-6} \sim 20.00 \times 10^3 \Omega \cdot \text{cm}$

Square Resistance: $50.0 \times 10^{-6} \sim 900.0 \times 10^3 \Omega / \square$
 $5.0 \times 10^{-6} \sim 100.0 \times 10^3 \Omega / \square$

Resolution: $1.0 \times 10^{-6} \sim 0.1 \times 10^3 \Omega$

Resolution: $0.1 \times 10^{-6} \sim 0.01 \times 10^3 \Omega$

Resolution: $1.0 \times 10^{-6} \sim 0.1 \times 10^3 \Omega \cdot \text{cm}$

Resolution: $0.1 \times 10^{-6} \sim 0.01 \times 10^3 \Omega \cdot \text{cm}$

Resolution: $5.0 \times 10^{-6} \sim 0.5 \times 10^3 \Omega / \square$

Resolution: $0.5 \times 10^{-6} \sim 0.1 \times 10^3 \Omega / \square$

►► Range Division and accuracy degree:

Full scale	200.0	20.00	2.000	200.0	20.00	2.000	200.0	20.00
Test current	0.1μA	1.0μA	10μA	100μA	1.0μA	10mA	100mA	1.0A
Conventional range	kΩ- cm/□	kΩ cm/□		Ω- cm/□			mΩ- cm/□	
Basic error	±2%FSB	±1.5%FSB	±0.5%FSB±2LSB				±1.0%FSB	

►► Instrument dimensions and power supply:

Power Supply: Voltage=220V \pm 10V, Frequency=50Hz \pm 5Hz. Power: P<20W.

Size: width*height*length =22cm*24.5cm*10cm, Weight: ≤ 2.5 Kg

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

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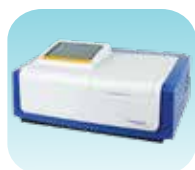
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Total Organic
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