

Jandel Engineering Limited



Jandel general purpose measurement system

Jandel Engineering Limited offers the RM3000+ test unit in combination with the Multiheight Probe stand as a solution for a wide variety of measurements. This is the most popular combination of equipment sold by Jandel. The system can be used for measuring a wide range of samples, from small sized thin layers and 300mm wafers, up to ingots 250mm high (thicker samples can be accommodated on request).

The Multiheight Probe can be supplied with 4 optional mounting holes which can accommodate optional mounting accessories such as an 8 inch wafer table or micropositioning X-Y stage.

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The RM3000+ supplies constant currents between 10nA and 100mA, and measures voltages from 0.001mV to 1000mV. For sheet resistance measurements, the quoted range is 1 milliohm/square to 100 Megohms/square. For volume (bulk) resistivity measurements, the quoted range is 1 milliohm.cm to 1 x 10⁶ ohm.cm. Measurements outside these ranges may be possible, but will depend on the type of sample.

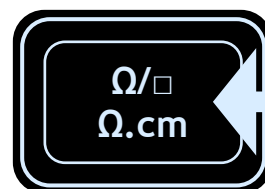
Max. sample size	Samples up to 250mm diameter (300mm option at no extra cost)
Max. sample thickness	Samples up to 250mm high can be measured (higher on request)
Microswitch	Prevents current flow when probe is not in contact with sample
Manual control	Simple lever operation for probe contact and removal
Simple set up	Single wire connects probe stand and RM3000+
Measurement range	1 mohm/square - 100 Megohms/square, 1 mohm.cm - 1 Megohm.cm
RM3000+ units	mV ohm/square ohm.cm (wafers) ohm.cm (volume)
RM3000+ software	For operation and data control. Supplied free of charge

System configuration

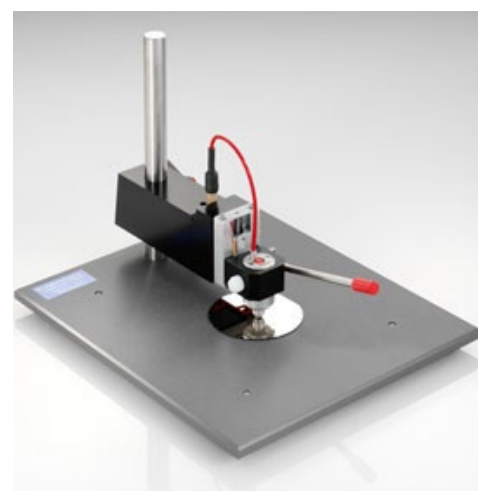
Component parts:

- A. Measurement base - 1 pc
- B. Multiheight assembly - 1 pc
- C. Multiheight column - 1 pc
- D. Four point probe head - 1 pc
- E. Connecting cable - 1 pc
- F. RM3000+ test unit - 1 pc

Note: Our general purpose measurement system includes a cylindrical four point probe head. For more information on cylindrical probe heads and the specifications available, please see our cylindrical probe head datasheet.



Easy unit selection



If you require any further information on the Jandel general purpose measurement system, please do not hesitate to contact us using the details below.

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