

## JANDEL ENGINEERING LTD.

# RM3-AR Test Unit

### Specifications:

#### Superior Current Source

- Auto-ranges for best choice of input current based upon material being tested
- 10nA to 100mA (99.999mA) current source selectable in steps to 5 decimal place resolution
- System accuracy within 0.3%
- Current set numeric keypad
- 4 default preset current programs (user programmable)

#### Superior Inbuilt DVM

- Input Impedance 1,000,000,000,000 ohms
- Input Bias current 4pA
- Two Ranges: Hi - 0 to 150mV and Low - 0 to 1250mV
- 150mV Range Accuracy: 0.2% +/- 5uV resolution (10uV or 1uV) range
- 1250mV Range Accuracy: 0.2% +/- 100uV resolution (100uV Ohms/Square)
- Rapid Zeroing null function for DVM

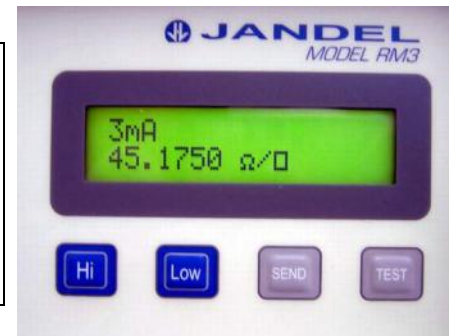
### Features:

- 28 Key high quality Keypad
- 16x2 line LCD Display for simultaneous indication of Set Current and either Ohms/Sq or mV
- Intuitive operation
- Auto-ranges to calculate input current
- Microprocessor controlled
- Reduced Footprint
- Robust Attractive ABS Case
- Accurately measures down to 10's of milliohms/square without external meter
- RS232/USB connectivity for control and for collecting data in CSV format
- Automatic compliance voltage limit protects your sample which reduces maximum voltage as higher currents are set 5-40V
- Warning messages when compliance limit is reached, or DVM input exceeded
- Self test facility
- Flash upgradeable software
- CE Marked
- AD/DA converters and amplifiers for the DVM and setting the Current source and DVM, are Burr Brown 110V or 240V operation (selectable)



Measure sheet resistance in the range from 1 milliohm-per-square up to  $5 \times 10^8$  ohms-per-square. Volume resistivity measurement range from  $10^{-3}$  to  $10^6$  ohms-cm.

This screen shows the RM3-AR displaying the test result in ohms-per-square. (sheet resistance).



You can download the operating manual here (700K PDF file):

[http://www.fourpointprobes.com/rm3ar\\_instructions.pdf](http://www.fourpointprobes.com/rm3ar_instructions.pdf)

