



# LEHIGHTON ELECTRONICS INC.

LEHIGHTON ELECTRONICS, INC.  
Quality Service Since 1963  
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## Contactless Sheet Resistance

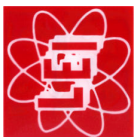
The LEI MODEL 1510M40 offers 1510-level measurement capabilities at a reasonable price perfect for university and low-volume production applications



**Model 1510M40**  
*(Manual Measurement and Mapping System)*

LEI 1510M40

LEI



### Preliminary Specifications/Capabilities:

- Contactless Sheet Resistance
- Push-button operation for sheet resistance (ohms/square) measurement
- Output to front panel display and RS232
- Sample size: 20mm to 200mm
- Linearity: 5%
- Detents for repeatable center point and mapping plans
- \*\* Requires Mylar Target. Positioning accuracy is entirely operator-dependent.

### Specifications

Range	Sheet Resistance	Bulk Resistivity
HI	15 - 3,000 $\Omega / \square$	1.0 - 200 $\Omega$ -cm
LO	0.2 - 15.0 $\Omega / \square$	0.01 - 1.0 $\Omega$ -cm
XL	0.1 - 1.5 $\Omega / \square$	0.005 - 0.1 $\Omega$ -cm

\* **Standard Deviation**  
0.2% to 2.5% - Depends on the range

\* **Linearity**  
0.035 to 3,000  $\Omega / \square < \pm 5\%$

\* *Specifications based on current NIST Standards. Actual performance may exceed this depending on application.*