



Non-Destructive Alternative to Hall Mobility LEI Model 1610 Mobility System

LEIGHTON ELECTRONICS, INC.

Quality Service Since 1963.
P.O. Box 328
Lehighton, PA 18235-0328

CALL/CONTACT

(800) 535-1112

(610) 377-6820

e-mail: lei@lehighton.com

www.lehighton.com



1610 Family

LEI's non-destructive measurement method* allows fast, accurate output of carrier mobility, carrier density and sheet resistance for samples $\geq 30\text{mm}$ in diameter

With 10KGauss magnet:

- Separate 2DEG from thick/ Production cap measurements
- Mobilities 100-20,000 $\text{cm}^2/\text{V-s}$
- Resistances 100-3,000 Ohms/\square
- Repeatability <3% (single carrier)

**Ideal for
thick/thin cap
GaAs pHEMTs**

With 2.5KGauss electro- or nominal 3.0KGauss permanent magnet:

- Non-destructive mobility at an attractive price
- Mobilities 500-20,000 $\text{cm}^2/\text{V-s}$
- Resistances 100-3,000 Ohms/\square
- Repeatability <3%

**Excellent results
for GaN applications
on SiC/Sapphire**

**Patents pending*