2450 SourceMeter ® SMU Instrument

Applications

- **Nanomaterials and Devices**
  Graphene / Carbon Nanotubes/ Nanowires /Low Power nanostructures
- **Semiconductor Structures**
  Wafers / Thin films
- **Organic Materials and Devices**
  E-links / Printable Electronics
- **Energy Efficiency and Lighting**
  LED's / AMOLED's / Photovoltaics / Solar Cells / Batteries
- **Discrete and Passive Components**
  Resistors / diodes / Zener Diodes / LEDs, disk drive heads, sensors
  Small signal bipolar junction transistors (BJT's), Field Effective Transistors (FET's)
- **Material Characterization**
  Resistivity / Hall Effect

Benefits

- Colour touchscreen 5 inch, icon-based control, context sensitive help for intuitive ease of use
- Keithley precision, accuracy, and low noise performance
- Low voltage and current ranges for low level measurements such as in nanotechnology and low voltage semiconductor applications
- Flexible test device adaptation through front banana jacks for bench use and rear triax connectors for low current applications and test automation
- High throughput with embedded Test Script Processor (TSP®) Technology running scripts at instrument level and preventing waste of time with PC communication during the test
- Standard PC interfaces GPIB, USB, and LAN/LXI

Allied Products

- 2400 series, 2460, 2461, 2450-EC, 2460-EC

Frequently asked questions

- Which software can I use? – Free Kickstart software
- Can I connect multiple instruments and how can I do that?
  --Yes, with TSP-link
- Is the 2450 software-compatible with the 2400 SMU?
  --Yes, full software compatibility e.g. for easy 2450 drop in and run tests