

6517B Electrometer / High Resistance Meter



Applications

- Polymer electrical characterization
- Beam measurements
- Dosimetry
- Device leakage current measurements
- Insulation resistance measurements
- Optoelectronic detector characterization
- Volume and surface resistivity
- Nanomaterial characterization (ceramics, dielectric films, biomaterials)
- Solar cell characterization
- Electrochemical Applications (high Impedance, ion-selective electrodes and pH measurements, conductivity cells, potentiometry).

Benefits

- Unique alternating polarity voltage sourcing and measurement method for high resistance measurements
- Built-in $\pm 1000\text{V}$ voltage source
- Optional plug-in scanner cards for testing up to 10 devices or material samples with one test setup
- Temperature and relative Humidity Stamping

Allied Products

- 6485, 6482, 6514, 6487 (please add “/E” for European Standard)

Frequently asked questions

- When do I need the 2 available Scanner cards and what benefit do they offer?
 - The 6521 *Low Current Scanner Card* is a 10-channel multiplexer, designed for switching low currents in multipoint testing applications
 - The 6522 *Voltage/Low Current Scanner Card* can provide up to ten channels of low-level current, high impedance voltage, high resistance, or charge switching, difference to 6521 Symbol Input connectors are 3-lug triax
- What contains the 8009 Resistivity Test Chamber?
 - The 8009 combined with the 6517B provides a complete system for making high quality, safe resistivity measurements, protecting from potentially hazardous voltages