

Test Fixtures



Model 8009 Resistivity Chamber

The Model 8009 is a guarded test fixture for measuring volume and surface resistivities. It assures good electrostatic shielding and high insulation resistance up to 1100V. The 8009 is designed for safe operation with the 6517A or 6517B. Opening the lid of the 8009 automatically turns off the 6517A or 6517B voltage source. The 8009 accommodates sheet samples from 64mm to 102mm (2½ to 4 in) in diameter and up to 3.2mm (⅛ in) thick. It maintains good sample contact with uniform pressure (from 6 to 10 lbs depending on thickness) on smooth parallel samples.

With the front panel switch on the 8009, toggle between volume and surface resistivity, with the 6517A or 6517B configured to calculate and display the appropriate result automatically. The 8009 permits direct measurement of volume resistivity up to $10^{18}\Omega\cdot\text{cm}$ (on samples 0.1cm thick) and surface resistivity up to $10^{17}\Omega/\text{square}$, in accordance with ASTM procedures.

ACCESSORIES SUPPLIED

| | |
|-------------|---------------------------|
| 6517-ILC-3 | Interlock Cable for 6517A |
| 6517B-ILC-3 | Interlock Cable for 6517B |
| 7078-TRX-3 | Triax Cable |
| 8007-GND-3 | Safety Ground Wire |
| 8607 | Source Cable Set |

ENVIRONMENTAL LIMITS: Operating: -30° to $+85^{\circ}\text{C}$, 65% R.H. up to 35°C , derate 3% R.H./ $^{\circ}\text{C}$ above 35°C . Storage: -25° to $+85^{\circ}\text{C}$.

DIMENSIONS: 108mm high \times 165mm wide \times 140mm deep (4¼ in \times 6½ in \times 5½ in).

WEIGHT: 1.45kg (3.19 lbs).

For use with: 6487, 6517A, 6517B



Model 8101-4TRX: 4-pin transistor fixture.

For use with: 4200-SCS



Model 8101-PIV: DC and pulse I-V demo fixture that is a metal case with four female triax connectors, two SMA connectors, and a latch. Inside the test fixture are two 4-pin device holders (transistor sockets) and two plungers for parts with two leads.

For use with: 4200-SCS



LR8028: Component test fixture optimized for device testing up to 200V/1A. Includes color-coded mini jumpers for easy device connections.

For use with: 4200-SCS

Distribuido Por:
www.finaltest.com.mx
Calle del Eban #16625
Tijuana B.C. Mexico
Tel. (664)681-1130
Tel. 01800 027-4848
ventas@final-test.net

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