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Data Sheet

August 15, 2026

KEITHLEY

Keithley 8008

Keithley 8008 High Resistance Measurement Scanner Card The Keithley 8008 is a scanner/accessory card used with Keithley high-resistance and electrometer measurement systems. OEM Keithley accessory literature for the 8008 describes multi-channel switching for high-ohmic measurements with low leakage design. Automated multi-channel insulation resistance tests and electrometer multiplexing for high-impedance devices. Low leakage switching for high resistance measurements The Keithley 8008 is a scanner/accessory card used with Keithley high-resistance and electrometer measurement systems. OEM Keithley accessory literature for the 8008 describes multi-channel switching for high-ohmic measurements with low leakage design. Automated multi-channel insulation resistance tests and electrometer multiplexing for high-impedance devices. Low leakage switching for high resistance measurements Works with Keithley electrometer/high-R systems



MODEL

Keithley 8008

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8008

LISTING

<https://aumictechlabs.com/products/8008-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 8008 is a guarded test fixture for measuring volume and surface resistivities of solid materials. It delivers electrostatic shielding and insulation resistance measurements to 1 TΩ, supporting sample diameters from 64 mm to 102 mm and thicknesses to 3.2 mm. The fixture applies uniform 1-pound contact pressure on smooth, parallel samples and accommodates voltages to 1100 V. A hinged, light-tight cover with integrated lid switch activates the voltage

disable input on compatible electrometers and Source Measure Units. The 8008 measures volume resistivity to $10^{18} \Omega\text{-cm}$ (0.1 cm thick samples) and surface resistivity to $10^{17} \Omega/\text{square}$ per ASTM procedures. Supplied with interlock cable, prototyping board, two input cables with 3-slot triax plugs, and 72 ferrite beads for custom DC test configurations. Technical Specifications

Volume resistivity: up to $10^{18} \Omega\text{-cm}$ (0.1 cm thick samples) Surface resistivity: up to $10^{17} \Omega/\text{square}$ Maximum insulation resistance: 1 T Ω Maximum voltage: 1100 V Sample diameter: 64 mm to 102 mm Sample thickness: up to 3.2 mm Contact pressure: 1 pound (uniform, smooth parallel samples) Dimensions: 108 mm H $\times$ 165 mm W $\times$ 140 mm D Weight: 1.45 kg Operating temperature: -25°C to $+85^{\circ}\text{C}$ (70% RH to 35°C) Storage temperature: -25°C to $+85^{\circ}\text{C}$ Key Features Guarded test fixture design with electrostatic shielding Hinged cover for light-tight, shielded measurements Lid switch for automated voltage disable control 72 ferrite beads included for decoupling and active device testing Compatibility & Integration Direct integration with Keithley Model 487 electrometers, Models 236, 237, and 238 Source Measure Units, and 6517A/6517B Electrometer/High Resistance Meters. Supplied with necessary cables and triax connectors.

8008 Characteristics / Specifications

PARAMETER	VALUE
Model	8008
Instrument Type	high resistance scanner card
Brand	Keithley
Function	multi-channel high-R switching
Leakage Class	low leakage electrometer class
Channel Count Class	multi channel scanner class
Form Factor	plug-in scanner card
Series Family	Keithley 80xx accessories
Related Instruments	Keithley electrometers and 65x high-R meters
Guard Support	guarded switching class
Operating Temperature Class	0 C to 50 C lab class
Humidity Class	noncondensing low humidity for high-R
Connector	card edge or interface cable class
Use Case	insulation resistance automation
Isolation Class	high impedance isolation class
Settling Class	long settling for high-R class
Maximum Voltage Class	electrometer compatible voltage class
Maximum Current Class	picoamp to nanoamp path class
Mounting	instrument accessory slot or fixture
Storage Temperature Class	minus 25 C to 65 C class
Calibration	verify with high-R standards
Manufacturer	Keithley Instruments
Storage temperature	Class: minus 25 C to 65 C class
Operating temperature	Class: 0 C to 50 C lab class
Humidity	Class: noncondensing low humidity for high-R

8008 Specifications

PARAMETER	VALUE
Keithley 8008 High Resistance Measurement Scanner Card	Overview
Key Features	Low leakage switching for high resistance measurements
Technical Specifications	Model: 8008

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 25 C to 65 C class
Operating temperature	Class: 0 C to 50 C lab class
Operating Temperature	Class: 0 C to 50 C lab class
Humidity	Class: noncondensing low humidity for high-R
Operating Temperature Class	0 C to 50 C lab class
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Isolation Class	high impedance isolation class
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Mounting	instrument accessory slot or fixture
Storage Temperature Class	minus 25 C to 65 C class
Calibration	verify with high-R standards
Manufacturer	Keithley Instruments Notes Capability rows from Keithley 8008 scanner/accessory catalog descriptions for high-resistance measurement systems. Exact channel count and leakage specs are on the 8008 instruction sheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
Capability rows from Keithley 8008 scanner/accessory catalog descriptions for high-resistance measurement systems. Exact channel count and leakage specs are on the 8008 instruction sheet.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.