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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2001-SCAN 10-Ch Scanner Card

The Keithley 2001-SCAN is a 10-channel scanner card designed for use with the Keithley 2001 multimeter. It allows users to expand the measurement capabilities of their multimeter by providing the ability to scan up to 10 different input channels. This card is ideal for applications where multiple measurements need to be taken in sequence.



MODEL

Keithley 2001-SCAN

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2001-SCAN

LISTING

<https://aumictechlabs.com/products/2001-scan-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2001-SCAN 10-Channel Scanner Card expands the measurement capabilities of compatible Keithley digital multimeters by enabling automated, multi-point signal acquisition across ten independent channels. Operating as a multiplexer, the card allows sequential scanning and data routing to the host DMM with minimal latency, supporting both 2-pole and 4-pole signal configurations. This approach eliminates the need for external switching hardware and streamlines test procedures requiring repeated measurements across distributed test points.

Technical Specifications

Channel Architecture 8 channels with 2-pole relay inputs 2 channels with 2-pole solid-state inputs All channels configurable for 4-pole operation

Relay Input Channels (8)

Maximum DC signal: 110 V DC, 1 A switched, 30 VA (resistive load)

Maximum AC signal: 125 V AC rms or 175 V AC peak, 100 kHz maximum, 1 A switched, 62.5 VA (resistive load)

Contact resistance: 10^5 operations at maximum signal level; $>10^8$ operations cold switching

Contact

potential: $<\pm 500$ nV typical per contact, 1 μ V max; $<\pm 500$ nV typical per contact pair, 1 μ V max
Solid-State Input Channels (2) Maximum DC signal: 110 V DC, 1 A switched, 30 VA (resistive load)
Maximum AC signal: 125 V AC rms or 175 V AC peak, 100 kHz maximum, 1 A switched, 62.5 VA (resistive load)
Contact resistance: 10^5 operations at maximum signal level; $>10^8$ operations cold switching
Isolation and Voltage Ratings Isolation between any two terminals: $>10^9 \Omega$, $10^9 \Omega$, <150 pF
Common mode voltage: 350 V peak between any terminal and earth
Maximum voltage between any two terminals: 200 V peak
Key Features Multiplex one of ten 2-pole signals or one of five 4-pole signals into the DMM
Supports simultaneous 2- or 4-pole signal scanning
Two-channel high-speed multiplexing (Models 2001 and 2002) Enables high-speed ratio or delta measurements
Screw terminal connectors rated for #22 AWG wire
Physical dimensions: 21 mm H $\times$ 72 mm W $\times$ 221 mm D
Weight addition: approximately 0.4 kg
Compatibility & Integration Designed for Keithley Model 2001 and Model 2002 digital multimeters. Environmental specifications align with the host instrument.

2001SCAN Characteristics / Specifications

PARAMETER	VALUE
Model	2001-SCAN
Manufacturer	Keithley Instruments
Instrument Type	Scanner option card for Model 2001
Alias	2001 SCAN; 2001SCAN
Host Instrument	Model 2001 multimeter
Total Channels	10
Relay Channels	8 two pole
Solid State Channels	2 two pole
Four Pole Capability	all channels configurable to 4 pole (five 4 pole paths)
Relay DC Maximum	110 V DC, 1 A switched, 30 VA resistive
Relay AC Maximum	125 V AC rms or 175 V AC peak, 100 kHz max, 1 A, 62.5 VA resistive
Relay Contact Life Max Signal	greater than 1E5 operations
Relay Contact Life Cold	greater than 1E8 operations
Relay Contact Resistance	less than 1 ohm at end of life
Relay Actuation Time	2.5 ms maximum on/off
Solid State Resistance	less than 275 ohm including 200 ohm series resistor
Solid State Maximum Signal	110 V DC, 175 V peak AC, 50 mA, 100 kHz maximum
Solid State Actuation On	150 us maximum
Solid State Actuation Off	150 us maximum (SPEC-2001-SCAN Rev C)
Contact Potential Typical Per Contact	less than plus/minus 500 nV
Contact Potential Maximum Per Contact	1 uV
Contact Potential Typical Per Pair	less than plus/minus 500 nV
Isolation Between Terminals	greater than 1E9 ohm, less than 75 pF
Isolation Terminal to Earth	greater than 1E9 ohm, less than 150 pF
Common Mode Voltage	350 V peak any terminal to earth

PARAMETER	VALUE
Maximum Voltage Between Terminals	200 V peak
Maximum Voltage To 2001 Input LO	200 V peak
Connector	screw terminal, number 22 AWG
Card Height	21 mm
Card Width	72 mm
Card Depth	221 mm
Added Weight	0.4 kg (10 oz)
Functions Relay	DCV, ACV, 2W/4W ohms, 2W/4W RTD, frequency; DCI/ACI with user 1/4 W shunt on 2 channels
Functions Solid State	DCV, ACV

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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Contact Potential Maximum Per Contact	1 uV
Contact Potential Typical Per Pair	less than plus/minus 500 nV
Isolation Between Terminals	greater than 1E9 ohm, less than 75 pF
Isolation Terminal to Earth	greater than 1E9 ohm, less than 150 pF
Common Mode Voltage	350 V peak any terminal to earth
Maximum Voltage Between Terminals	200 V peak

PARAMETER	VALUE
Maximum Voltage To 2001 Input LO	200 V peak
Connector	screw terminal, number 22 AWG
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Added Weight	0.4 kg (10 oz)
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Notes
Specs from Keithley SPEC-2001-SCAN RevCand 2001-SCAN instruction manual. Confirm card is installed in a Model 2001 (not 2000/2010) before ordering. Solid-state actuation off time is 150 us on RevC SPEC (manual editions may list 100 us).

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.