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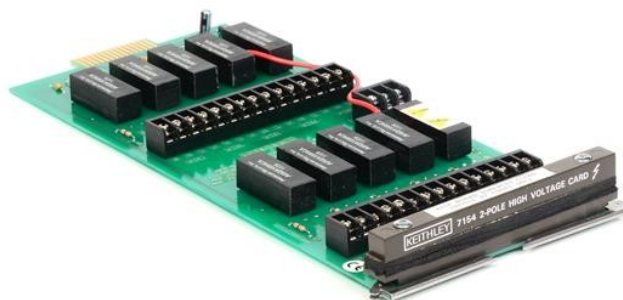
Data Sheet

August 13, 2026

KEITHLEY

Keithley 7154 High Voltage Scanner Card

Keithley 7154 10 Channel High Voltage Scanner Card The Keithley 7154 is a 10-channel 2-pole high-voltage scanner card rated 1100 V peak for 715/716 scanner mainframes. Intended for high-voltage multiplexed DCV, insulation, and source switching that exceeds 7056/7059 signal levels. Two-pole break-before-make. Barrier or HV-rated terminals. Not a low-thermal 7059 and not a thermocouple 7156. Insulation and hipot-adjacent multiplexing (within card rating) 1100 V peak rating versus 200 V class 7059 The Keithley 7154 is a 10-channel 2-pole high-voltage scanner card rated 1100 V peak for 715/716 scanner mainframes. Intended for high-voltage multiplexed DCV, insulation, and source switching that exceeds 7056/7059 signal levels. Two-pole break-before-make. Barrier or HV-rated terminals. Not a low-thermal 7059 and not a thermocouple 7156. Insulation and hipot-adjacent multiplexing (within card rating) 1100 V peak rating versus 200 V class 7059 Distinct from 7058 low-current and 7059 low-voltage cards



MODEL

Keithley 7154

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7154

LISTING

<https://aumictechlabs.com/products/7154-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 7154 High Voltage Scanner Card is a field-installable switching component for automated high-voltage test and measurement systems. It routes high-voltage signals within Keithley scanner mainframes, enabling precision switching in demanding test environments where complex signal paths and voltage isolation are critical. The card delivers 10 independent channels

of 2-pole relay switching with fused protection on each pole, supporting peak voltages to 1100V and carrying currents to 1.0A RMS. Technical Specifications Channels: 10 per card (2-pole Form A configuration) Maximum Switched Signal: 1100V peak, 0.5A RMS, 10VA (resistive load), 10mA at 1000V Maximum Carry Current: 1.0A RMS Contact Resistance: <200 m Ω initial; 2 Ω to rated life Contact Potential: <35 μ V per contact pair (copper leads) Actuation Time: 10¹⁰ Ω , 10⁹ Ω Common Mode Voltage: 1100V peak Contact Life: >10⁸ closures (cold switching); >5 $\times$ 10⁶ closures (maximum signal levels) Connectors: Screw terminals, #16 AWG maximum Operating Temperature: 0° to 50°C (up to 35°C at 70% R.H.) Storage Temperature: -25° to +65°C Dimensions: 32mm H $\times$ 114mm W $\times$ 272mm L Weight: 0.34 kg Key Features Double-pole, normally open relays with individual fused inputs on each pole User-selectable shield or driven guard configuration Common guard input applicable to all channels; isolation by jumper removal Multiple switched guards achievable via Low input terminal connection Fast relay actuation supports high-speed test sequences Excellent contact potential minimizes measurement errors in precision circuits Typical Applications High-voltage signal routing, automated switching matrices for power testing, precision measurement multiplexing, and complex test routines requiring galvanic isolation and high voltage capability. Compatibility & Integration Designed for Keithley scanner mainframes (Models 705, 706). Card operates in 2-pole mode when used alone or with other 10-channel cards. Field installation within compatible mainframe chassis.

7154 Characteristics / Specifications

PARAMETER	VALUE
Model	7154
Manufacturer	Keithley Instruments
Instrument Type	10 channel high voltage scanner card
Alias	7154; Keithley 7154
Host Mainframe	715 / 716 scanner
Channel Count	10
Poles	2
Max Voltage	1100 V peak
Switching	break before make
Contact Type	HV electromechanical scanner relays
Connector	HV barrier / rated terminals
Related Low Voltage	7059 (200 V peak, less than 1 uV)
Related Thermocouple	7156
Related Low Current	7058
Related Independent Relays	7066
Isolation	HV card channel-to-channel class
Install Path	rear plug-in 715/716
Form	single-slot scanner card
Actuation Time Class	milliseconds family
Relay Life	loaded HV life below 7059 low-level 1e8 figure
Safety	observe 1100 V peak spacing and mainframe HV rules
Signal	high voltage DCV / source switch (not T/C isothermal) Notes Identity from Keithley 7154 10-channel 2-pole high-voltage scanner listings (1100 V peak). Current/power limits belong on the 7154 specification sheet; confirm 715 versus 716 mainframe and HV training before use.

7154 Specifications

PARAMETER	VALUE
Keithley 7154 10 Channel High Voltage Scanner Card	Overview
Key Features	1100 V peak rating versus 200 V class 7059
Technical Specifications	Model: 7154

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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PARAMETER	VALUE
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Connector	HV barrier / rated terminals
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Related Thermocouple	7156
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Related Independent Relays	7066

Specifications

PARAMETER	VALUE
Isolation	HV card channel-to-channel class
Install Path	rear plug-in 715/716
Form	single-slot scanner card

Specifications

PARAMETER	VALUE
Actuation Time Class	milliseconds family
Relay Life	loaded HV life below 7059 low-level 1e8 figure
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Signal: high voltage DCV / source switch (not T/C isothermal)

Notes

Identity from Keithley 7154 10-channel 2-pole high-voltage scanner listings (1100 V peak). Current/power limits belong on the 7154 specification sheet; confirm 715 versus 716 mainframe and HV training before use.

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

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30-day returns
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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.