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Data Sheet

August 13, 2026

KEITHLEY

Keithley 7156 General Purpose Scanner Card

Keithley 7156 10 Channel Thermocouple Scanner Card The Keithley 7156 is a 10-channel thermocouple scanner card for 715/716 (and related 705/706-class) scanner mainframes. Two-pole switching of thermocouple pairs with isothermal reference architecture of the 7057/7156 family. Barrier-strip or isothermal block connections. Break-before-make. Designed to keep thermal EMFs low for T/C types J, K, T, E, R, S, B, N when used with the mainframe cold-junction reference. Low-thermal EMF millivolt switching of T/C pairs The Keithley 7156 is a 10-channel thermocouple scanner card for 715/716 (and related 705/706-class) scanner mainframes. Two-pole switching of thermocouple pairs with isothermal reference architecture of the 7057/7156 family. Barrier-strip or isothermal block connections. Break-before-make. Designed to keep thermal EMFs low for T/C types J, K, T, E, R, S, B, N when used with the mainframe cold-junction reference. Low-thermal EMF millivolt switching of T/C pairs Isothermal reference path of the 7156/7057 family



MODEL

Keithley 7156

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7156

LISTING

<https://aumictechlabs.com/products/7156-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 7156 General Purpose Scanner Card is a signal-routing component for automated test and data-acquisition systems integrated with Keithley 7000 Series switch/control mainframes. It has configurable channel density and fast switching to support multi-point measurement and signal-path control across laboratory and production environments. Technical Specifications

Channel Configuration 10 channels (2-pole mode) or 20 channels (1-pole mode) 2-pole Form A relay contact configuration 37-pin D-sub connector interface Relay & Switching Performance Relay drive current: 30 mA (7156-D) or 50 mA (7156-M) Actuation time: Less than 2 ms (exclusive of mainframe) Contact resistance: Less than 2 Ω to rated life Contact potential: Less than 100 μ V per contact pair; typically less than 50 μ V Signal Handling Maximum signal level: 150 V, 250 mA, 10 VA peak (resistive load) Contact life: 10^8 closures (cold switching); 10^7 closures (at maximum signal level) Key Features Dual relay-drive options accommodate different mainframe architectures Low contact resistance and millivolt-level potential drop suit precision measurement applications Fast sub-2 ms switching enables high-throughput automated test sequences Extended contact life under cold-switching conditions supports long-term production use Typical Applications General switching and test configuration High and low current testing High and low voltage measurement Temperature measurement High-frequency and RF testing Compatibility & Integration The 7156 inserts into Keithley 7000 Series switch/control mainframes and integrates with DMM and SourceMeter® instruments for coordinated measurement and switching control.

7156 Characteristics / Specifications

PARAMETER	VALUE
Model	7156
Manufacturer	Keithley Instruments
Instrument Type	10 channel thermocouple scanner card
Alias	7156; Keithley 7156
Host Mainframe	715 / 716 scanner family (705/706-class cards)
Channel Count	10
Poles	2 (thermocouple pair)
Contact Type	electromechanical scanner relays
Switching	break before make
Thermocouple Types	J, K, T, E, R, S, B, N (with mainframe CJC tables)
Thermal EMF Class	low microvolt (T/C scanner family)
Connector	barrier strip / isothermal block
Isolation	channel-to-channel scanner-card class
Actuation Time Class	less than 5 ms family
Related Low Voltage	7059 (less than 1 uV versus copper)
Related General Purpose	7056
Related High Voltage	7154
Max Signal Class	millivolt T/C (not 1100 V HV card)
Install Path	rear plug-in scanner card
Reference	cold junction in mainframe/isothermal block
Wire	thermocouple-grade to the isothermal terminals
Form	single-slot 715/716 card
Relay Life Class	1e8 closures at low level family Notes Identity from Keithley 715/705 scanner card family (7156 10-channel thermocouple scanner). Confirm mainframe 715 versus 716 and CJC firmware tables; do not use as a 7154 high-voltage card.

7156 Specifications

PARAMETER	VALUE
Keithley 7156 10 Channel Thermocouple Scanner Card	Overview
Multiplexed thermocouple logging	715/716 temperature scan systems
Process temperature with Keithley DMM	Low-thermal EMF millivolt switching of T/C pairs
Key Features	Ten 2-pole thermocouple channels
Fits 715/716 scanner mainframes	Barrier terminals for T/C wire
Technical Specifications	Model: 7156

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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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

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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.