

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

KEITHLEY

Keithley System 40

Keithley Data Acquisition Systems (DAQ). Channels: 300 V, Channels: 3 A capacity, Channel: count data acquisition.



MODEL

Keithley System 40

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

System 40

LISTING

<https://aumictechlabs.com/products/system-40-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley System 40 is a modular test and measurement platform engineered for automated testing and high-volume data acquisition. Its plug-in card architecture enables rapid configuration for diverse switching, multiplexing, and signal routing applications across temperature measurement, device power control, and RF/microwave environments. The system supports relay-based switching with onboard memory storage, two- or four-wire measurement capability, and isolated switching options with exceptionally low contact potential.

Technical Specifications

Multiplexer Module (7702/7702-AU): 40-channel differential switching: 2-pole or 20-channel 4-pole configuration Two independent multiplexer banks supported Two protected current measurement channels Voltage channels: 300 V, 1 A (60 W, 125 VA) Current channels: 3 A capacity Two- or four-wire measurement modes Screw terminal connections Scanner Card (7705): 40-channel independent switching, 1-pole Form A 300 V, 2 A capacity 50-pin female D-sub connectors Relay closures stored in onboard memory Isolated Switch Card (7036): 40-channel independent 1-pole Form A switching 1 A switch rating <100 pA offset current <4 μ V

contact potential 96-pin mass terminated connector RF/Microwave Routing (40-C203 with F Module): Modular RF/microwave signal routing capability Customer-configurable architectureKey Features Modular plug-in card design for flexible system expansion Relay closure memory for sequence automation Ultra-low leakage current and contact potential in isolated switching paths Multiple connector options: screw terminals, D-sub, and mass-terminated interfacesTypical Applications Temperature measurement systems (RTD, thermistor, thermocouple) Automated device power and load switching RF/microwave signal path selection Portable device test automation High-channel-count data acquisitionCompatibility & Integration The System 40 accommodates diverse measurement modules within a single chassis, supporting parallel operation of multiplexing, scanning, and switching functions. Relay memory storage enables programmed test sequences without external sequencing logic.

Features & description

From manufacturer datasheet

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Keithley System 40 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Keithley System 40. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

Keithley System 40 price

This Keithley System 40 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Keithley System 40 calibration cost

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Applications

Temperature measurement systems (RTD, thermistor, thermocouple) Automated device power and load switching RF/microwave signal path selection Portable device test automation High-channel-count data acquisition Compatibility & Integration The System 40 accommodates diverse measurement modules within a single chassis, supporting parallel operation of multiplexing, scanning, and switching

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Unit notes

The Keithley System 40 is a modular test and measurement platform engineered for automated testing and high-volume data acquisition. Its plug-in card architecture enables rapid configuration for diverse switching, multiplexing, and signal routing applications across temperature measurement, device power control, and RF/microwave environments. The system supports relay-based switching with onboard memory storage, two- or four-wire measurement capability, and isolated switching options with exceptionally low contact potential.

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RF/Microwave Routing (40-C203 with F Module): Modular RF/microwave signal routing capability Customer-configurable architecture

Key Features

Modular plug-in card design for flexible system expansion Relay closure memory for sequence automation Ultra-low leakage current and c

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.

Keithley Data Acquisition Systems (DAQ). Channels: 300 V, Channels: 3 A capacity, Channel: count data acquisition.

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Compatibility & Integration The System 40 accommodates diverse measurement modules within a single chassis, supporting parallel operation of multiplexing, scanning, and switching functions. Relay memory storage enables programmed test sequences without external sequencing logic.

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[Request Calibration](#) → [Request Repair Quote](#) →

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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

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.