

**Aumictech**

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Data Sheet

August 2, 2026

KEITHLEY

Keithley 2750 Multimeter Data Acquisition Switch System

The Keithley 2750 (2750) is a 6.5-digit Integra Series multimeter and data acquisition switch system with a five-slot mainframe for plug-in 7700-series switch and control modules. It combines DMM, switch system, and datalogger functions on a platform shared with the Keithley 2700/2701 two-slot mainframes. The 2750 supports up to about 200 differential input channels (configuration dependent) with 1 $\mu\Omega$ resolution on the 1 Ω low-ohms range. Remote control is via GPIB and RS-232. An internal buffer stores up to 110,000 readings. Multi-channel production test and process monitoring; low-ohms connector and harness measurement; temperature scanning with thermocouple/RTD/thermistor modules; automated data acquisition and datalogging in rack or bench systems. Keithley 2750 Multimeter Data Acquisition Switch System

The Keithley 2750 (2750) is a 6.5-digit Integra Series multimeter and data acquisition switch system with a five-slot mainframe for plug-in 7700-series switch and control modules. It combines DMM, switch system, and datalogger functions on a platform shared with the Keithley 2700/2701 two-slot mainframes. The 2750 supports up to about 200 differential input channels (configuration dependent) with 1 $\mu\Omega$ resolution on the 1 Ω low-ohms range. Remote control is via GPIB and RS-232. An internal buffer stores up to 110,000 readings.

No photo

MODEL

Keithley 2750

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

2750

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Integra Series 5-slot mainframe
- 6.5-digit (22-bit) DMM with 14 measurement functions
- Up to about 200 channels (7700-series module dependent)
- 1 Ω range with 1 $\mu\Omega$ resolution
- 20 mV dry-circuit clamp for sensitive DUTs
- Offset-compensated 4-wire ohms
- Internal buffer to 110,000 readings
- GPIB and RS-232 remote interfaces
- Shared 2700/2701/2750 module ecosystem

2750 Characteristics / Specifications

PARAMETER	VALUE
Model	2750
Manufacturer	Keithley (Tektronix/Keithley)
Instrument Type	Multimeter / switch system / datalogger
Series	Integra Series
Resolution	6.5 digit (22-bit)
Mainframe Slots	5 (7700-series plug-in modules)
Max Channels	up to about 200 differential inputs (module/config dependent)
Low Ohms	1 Ω range, 1 $\mu\Omega$ resolution
Functions	DC/AC V, DC/AC I, 2W/4W Ω , temperature (TC/RTD/thermistor), frequency, period, continuity
Buffer	up to 110,000 readings
Remote Interfaces	GPIB; RS-232
Power	about 80 VA
Related Platform	Keithley 2700 / 2701 (2-slot Integra mainframes) Standard Operating Conditions Line voltage 100/120/220/240 V $\pm$ 10%; frequency 45–66 Hz or 360–440 Hz (auto-sensed). Operating environment per Keithley Integra specifications. Configure modules and scan lists before production use.

2750 Specifications

PARAMETER	VALUE
Keithley 2750 Multimeter Data Acquisition Switch System	Overview
Key Features	- Integra Series 5-slot mainframe
Technical Specifications	Model: 2750

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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Standard Operating Conditions	
Line voltage 100/120/220/240 V ±10%; frequency 45-66 Hz or 360-440 Hz (auto-sensed). Operating environment per Keithley Integra specifications. Configure modules and scan lists before production use.	
Operational Notes	
Channel count and topology depend on installed 7700-series modules (7700, 7701, 7702, 7706, 7707, 7708, 7709, etc.). Confirm module mix and connector type (D-sub, IDC, screw terminal) for the application. Mainframe flash memory supports future module updates per Keithley documentation.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.