

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 6, 2026

KEITHLEY

Keithley 2700 Data Logger

The Keithley 2700 is an Integra Series 6½-digit multimeter / data acquisition / switch system (often called a data logger). Combines precision DMM measurements with two slots for 77xx plug-in modules (up to ~80 differential channels). Measures DCV, ACV, DCI, ACI, 2-/4-wire ohms, temperature (T/C, thermistor, RTD), frequency, period, continuity. Scan rates up to hundreds of channels/s. IEEE-488 and RS-232. Related: 2701 (Ethernet), 2750 (5 slots). Multi-channel data logging; temperature/process monitoring; automated production test with switching. Manufacturer: Keithley Instruments (Tektronix) Instrument Type: Multimeter / Data Acquisition / Switch System 6½ digit; 2 slots; up to ~80 multiplexed channels with modules. Prefer Keithley Series 2700 datasheet / 2700-900 manual. Confirm installed 77xx modules.

No photo

MODEL

Keithley 2700

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

2700

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

- Resolution: 6½ digit (22-bit class)
- Two module slots; mix/match 77xx cards to ~80 channels
- Measurements: DCV/ACV, DCI/ACI, $\Omega 2/\Omega 4$, TEMP, FREQ, PERIOD, CONT
- Temperature: thermocouple, thermistor, 4-wire RTD
- Scan rates: up to ~500 channels/s class (config dependent)
- Single-channel reading rates to thousands of rdg/s class
- Math: $mX+b$, %, ratio, average; digital I/O / limits
- Interfaces: IEEE-488.2, RS-232
- Front inputs plus module backplane switching
- Half-rack / 2U form factor

2700 Characteristics / Specifications

PARAMETER	VALUE
Model	2700
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Multimeter / Data Acquisition / Switch System
Family	Integra Series 2700
Alias	2700; Keithley 2700 DMM / Channels 6½ digit; 2 slots; up to ~80 multiplexed channels with modules Operational Notes Prefer Keithley Series 2700 datasheet / 2700-900 manual. Confirm installed 77xx modules.
Resolution	6½ digit (22-bit class)
Measurements	DCV/ACV, DCI/ACI, Ω2/Ω4, TEMP, FREQ, PERIOD, CONT
Temperature	thermocouple, thermistor, 4-wire RTD
Scan rates	up to ~500 channels/s class (config dependent)
Math	mX+b, %, ratio, average; digital I/O / limits
Interfaces	IEEE-488.2, RS-232

2700 Specifications

PARAMETER	VALUE
Keithley 2700 Data Logger	Overview
Key Features	- Resolution: 6½ digit (22-bit class)
Technical Specifications	Model: 2700
DMM / Channels	6½ digit; 2 slots; up to ~80 multiplexed channels with modules
Operational Notes	Prefer Keithley Series 2700 datasheet / 2700-900 manual. Confirm installed 77xx modules.

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

Specifications

PARAMETER	VALUE
Model	2700
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Multimeter / Data Acquisition / Switch System
Family	Integra Series 2700
Alias	2700; Keithley 2700

DMM / Channels

6½ digit; 2 slots; up to ~80 multiplexed channels with modules

Operational Notes

Prefer Keithley Series 2700 datasheet / 2700-900 manual. Confirm installed 77xx modules.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 6, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.