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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U2741A

Agilent / Keysight U2741A USB Modular Digital Multimeter The Keysight (Agilent) U2741A is a 5.5-digit USB modular digital multimeter that operates standalone or in the U2781A USB modular chassis. OEM U2741A datasheets list DC voltage from 1 μ V to 300 V, AC voltage to 250 Vrms, DC/AC current to 2 A, and up to 100 readings per second. Portable and modular ATE voltage/current/resistance/frequency/temperature measurement with Hi-Speed USB 2.0 USBTMC control. AC Voltage Range Span: 1 μ Vrms to 250 Vrms The Keysight (Agilent) U2741A is a 5.5-digit USB modular digital multimeter that operates standalone or in the U2781A USB modular chassis. OEM U2741A datasheets list DC voltage from 1 μ V to 300 V, AC voltage to 250 Vrms, DC/AC current to 2 A, and up to 100 readings per second. Portable and modular ATE voltage/current/resistance/frequency/temperature measurement with Hi-Speed USB 2.0 USBTMC control. AC Voltage Range Span: 1 μ Vrms to 250 Vrms DC Voltage Accuracy 10 V Range Class: 0.018 percent + 0.005 percent of range class



MODEL

**Agilent / Keysight
U2741A**

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

U2741A

LISTING

<https://aumictechlabs.com/products/u2741a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U2741A is a 5.5-digit USB modular digital multimeter delivering precision measurement across voltage, current, resistance, and specialized functions. Operating at up to 100 readings per second via high-speed USB 2.0 (USBTMC-USB488 compliant), it combines standalone portability with integration capability into the U2781A chassis for scalable test systems. Its compact, notebook-sized form factor -

117 mm × 180 mm × 41 mm with bumpers and 509 g mass - suits field deployment and space-constrained lab environments. Technical Specifications Measurement ranges span DC voltage from 1 μ VDC to 300 VDC and AC voltage from 1 μ VRMS to 250 VRMS. DC current measurement extends from 1 μ ADC to 2 ADC; AC current from 1 μ ARMS to 2 ARMS. The instrument supports 2-wire and 4-wire resistance measurement, continuity testing, diode characterization, frequency measurement, and temperature sensing via optional thermistor probe. Resolution reaches 5.5 digits with basic accuracy to 0.0025%. Common mode rejection exceeds 120 dB with 1 k Ω unbalanced load; normal mode rejection exceeds 60 dB at 50/60 Hz $\pm$ 0.1%. Input protection rated at 300 VDC for voltage inputs and 2 A, 250 V fast-blown fuse for current. The module draws +12 VDC at 2 A maximum. Operating temperature range: 0°C to 55°C (full accuracy: 18°C to 28°C). Operating humidity: 50% RH non-condensing, or 50–90% RH at 40°C non-condensing. Storage temperature: –20°C to +70°C. Storage humidity: 5–90% RH non-condensing. Key Features High-speed USB 2.0 interface at 480 MBit/s CAT II 300 V over-voltage protection category Compact modular design fits U2781A mainframe or standalone operation 451 g shipping weight without bumpers Compatibility & Integration Fully compatible with Keysight BenchVue, Measurement Manager (AMM), IO Libraries Suite, and IVI-COM drivers. Supports LabVIEW, VEE, Visual Studio, and MATLAB environments. Operates on Microsoft Windows (XP Professional or Home Edition recommended). Complies with IEC 61010-1, CAN/CSA-C22.2 No. 61010-1, ANSI/UL 61010-1, IEC 61326-2-2002/EN61326:1997+A1:1998+A2:2001+A3:2003, ICES-001, and AS/NZS CISPR11.

U2741A Characteristics / Specifications

PARAMETER	VALUE
Display Digits	5.5 digits
DC Voltage Range Span	1 μ V to 300 V
AC Voltage Range Span	1 μ Vrms to 250 Vrms
DC Current Range Span	1 μ A to 2 A
AC Current Range Span	1 μ Arms to 2 A
DC Voltage Accuracy 10 V Range Class	0.018 percent + 0.005 percent of range class
Maximum Reading Rate	100 readings/s
Resistance Measurement	2-wire and 4-wire
Continuity And Diode	yes
Frequency Measurement	yes
Temperature Measurement	yes
Connectivity	Hi-Speed USB 2.0 USBTMC-USB488
Chassis Compatibility	U2781A USB modular product chassis
Software	Keysight Measurement Manager / BenchVue
Form Factor	USB modular instrument
Input Impedance DCV Class	10 Mohm on voltage ranges
Maximum DC Voltage Input	300 V
Maximum AC Voltage Input	250 Vrms
Maximum Current Input	2 A
Operating Modes	standalone and modular
Command Set	SCPI
Brand Lineage	Agilent / Keysight
Series Family	USB Modular Instruments

U2741A Specifications

PARAMETER	VALUE
Agilent / Keysight U2741A USB Modular Digital Multimeter	Overview
Applications	Portable and modular ATE voltage/current/resistance/frequency/temperature measurement with Hi-Speed USB 2.0 USBTMC control.
Key Features	5.5 digit USB modular DMM
Standalone or U2781A chassis operation	Up to 100 readings per second
Technical Specifications	Display Digits: 5.5 digits
Notes	From Keysight U2741A USB Modular Digital Multimeter datasheet 5991-0042 specification highlights.

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
Display Digits	5.5 digits
DC Voltage Range Span	1 uV to 300 V
AC Voltage Range Span	1 uVrms to 250 Vrms
DC Current Range Span	1 uA to 2 A
AC Current Range Span	1 uArms to 2 A
DC Voltage Accuracy 10 V Range Class	0.018 percent + 0.005 percent of range class
Maximum Reading Rate	100 readings/s
Resistance Measurement	2-wire and 4-wire
Continuity And Diode	yes
Frequency Measurement	yes
Temperature Measurement	yes
Connectivity	Hi-Speed USB 2.0 USBTMC-USB488
Chassis Compatibility	U2781A USB modular product chassis
Software	Keysight Measurement Manager / BenchVue
Form Factor	USB modular instrument
Input Impedance DCV Class	10 Mohm on voltage ranges
Maximum DC Voltage Input	300 V
Maximum AC Voltage Input	250 Vrms
Maximum Current Input	2 A
Operating Modes	standalone and modular
Command Set	SCPI
Brand Lineage	Agilent / Keysight
Series Family	USB Modular Instruments
Notes	
From Keysight U2741A USB Modular Digital Multimeter datasheet 5991-0042 specification highlights.	

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.