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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1411B 5.5-Digit Multimeter, C-Size

The Agilent/Keysight E1411B is a C-size VXI 5.5-digit multimeter. OEM E1326B/E1411B manuals list DC voltage, RMS AC voltage, 2-wire/4-wire resistance, and temperature measurements, with up to 13150 readings/s on FET mux digital-bus scanning and 0.01 percent class DCV accuracy (90 days). Stand-alone DMM measurements and scanning multimeter systems with relay or FET multiplexers in B-size or C-size VXI mainframes. Integrating A/D with selectable apertures Scanning multimeter mode with mux analog/digital bus Temperature Sensors: thermocouples, thermistors, RTDs Aperture Examples: 10 us, 100 us, 20/16.7 ms, 320/267 ms Reading Storage: mainframe/command module memory allocation Measurement table values from Agilent E1326B/E1411B user's manual specification summary. Confirm aperture, range, and mux pairing for installed system accuracy.



MODEL

**Agilent / Keysight
E1411B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1411B

LISTING

<https://aumictechlabs.com/products/e1411b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1411B is a C-size VXI multimeter module delivering 5.5-digit resolution for precision data acquisition and automated test systems. This 1-slot, register-based instrument features dual analog-to-digital converters: a low-noise integrating ADC for accurate DC and AC measurements, and a 13 kHz high-speed sampling ADC for dynamic signal capture. Electronically

equivalent to the E1326B, the E1411B differentiates through its compact C-size form factor. The module supports multichannel scanning via integration with VXI relay or FET multiplexers, enabling synchronized programming of multimeter and multiplexer channels through single SCPI commands. Balanced differential isolated inputs and flexible triggering with built-in timer pacer simplify complex measurement sequences.

Technical Specifications
Resolution: 5.5-digit
Sampling Rate: Up to 13 kHz (high-speed ADC)
DC Voltage Range: 300.0 V maximum
DC Voltage Accuracy: 0.0145% of reading (90-day typical)
AC Voltage Frequency Range: DC to 400 Hz
AC Voltage Crest Factor: 7 at 0% full scale; 5 at full scale
Input Impedance (Voltage Ranges): >100 M Ω (125 mV, 1 V, 8 V); 10 M Ω $\pm$ 5% (64 V, 300 V)
Measurement Functions: DC voltage, AC voltage, 2- and 4-wire resistance, offset-compensated resistance, temperature (thermocouples, thermistors, RTDs)
Triggering: Flexible triggering with built-in timer pacer
Calibration: Software calibration
Operating Temperature Range: Calibrated at 18–28°C; accuracy maintained within $\pm$ 5°C of calibration temperature

Key Features
Dual ADC architecture balances precision and speed
Balanced differential isolated inputs reduce common-mode noise
Register-based VXI architecture with SCPI programming support
Autoranging functionality across all measurement ranges
1-slot C-size module (2 × 11 × 16 in) integrates into standard VXI mainframes

Typical Applications
Multichannel data acquisition in production test environments
Temperature monitoring via thermocouples, thermistors, and RTDs
High-speed AC signal sampling and transient capture
Precision DC measurements requiring low noise performance

Compatibility & Integration
The E1411B operates as a register-based module within VXIbus systems and mainframes. It pairs directly with Keysight VXI relay or FET multiplexers (such as the E1406A) for expanded channel capacity. Standard SCPI command set enables integration with LabVIEW, LabWindows/CVI, and National Instruments Measurement Studio drivers.

E1411B Characteristics / Specifications

PARAMETER	VALUE
Digits Of Resolution	5.5
Measurement Functions	DCV, ACV rms, 2 wire ohms, 4 wire ohms, temperature
DCV Full Scale Ranges	0.125 V, 1.0 V, 8.0 V, 64.0 V, 300 V
DCV Best Resolution	120 nV on 0.125 V range at 20/16.7 ms aperture
DCV Accuracy 90 Days	0.01 percent
DCV Max Readings Per Second	13150
ACV Full Scale Ranges	0.0875 V, 0.7 V, 5.6 V, 44.8 V, 300 V
ACV Best Resolution	29.8 nV on 0.0875 V range at 320/267 ms aperture
ACV Accuracy 90 Days	0.625 percent
ACV Frequency Range	20 Hz to 10 kHz
Resistance Full Scale Ranges	256 ohm, 2048 ohm, 16384 ohm, 131072 ohm, 1048576 ohm
Resistance Best Resolution	250 mOhm on 256 ohm range at 20/16.7 ms aperture
Resistance Accuracy 90 Days	0.025 percent
FET Scan Rate Class	about 13150 channels/s via digital bus
Module Size	C
Slots Occupied	1
Faceplate Note	install in any C-size slot except slot 0
VXI Programming	SCPI with command module or register based
Temperature Sensors	thermocouples, thermistors, RTDs
Analog Bus	relay mux analog bus cable
Digital Bus	FET mux digital bus cable
Aperture Examples	10 us, 100 us, 20/16.7 ms, 320/267 ms
Reading Storage	mainframe/command module memory allocation
Operating Temperature Class	0 to 55 C
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E1411B Specifications

PARAMETER	VALUE
Agilent E1411B 5.5 Digit Multimeter	Overview
Thermocouple thermistor and RTD temperature	SCPI programming with command module
Technical Specifications	Digits Of Resolution: 5.5

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C Notes Measurement table values from Agilent E1326B/E1411B user's manual specification summary. Confirm aperture, range, and mux pairing for installed system accuracy.

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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Notes

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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>

NIST-traceable calibration · SAM registered ·
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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.