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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1410A 6.5-Digit Multimeter High-Accuracy, C-Size

The HP/Agilent E1410A isaC-size, 1-slot VXI 6.5-digit multimeter in the E141x precision DMM family. OEM catalog and user documentation place it asamessage-based integrating DMM for DCV/ACV/ohms/current/frequency class measurements in VXI systems. Precision system multimeter measurements and automated calibration/test sequences in C-size VXI mainframes. Multi function volts amps ohms frequency class measurements SCPI programming with command module/controller High Resolution Rate Class: sub reading per second at max digits Fast Digits Rate Class: hundreds to 1000 rdgs/s class at reduced digits Input Terminals: front panel DMM terminals Model identity and 6.5-digit/C-size/1-slot classification from HP E1410A user documentation indexes and E141x family materials. Use the E1410A user manual accuracy tables for exact range limits; do not substitute E1412A percentages without confirming the E1410A appendix.

MODEL **Agilent / Keysight E1410A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E1410A**	LISTING **https://aumictechlabs.com/products/e1410a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1410A is a 6.5-digit multimeter module designed for VXIbus systems. This C-size, single-slot message-based VXI device delivers high-accuracy measurements with resolution and speed optimizable for demanding laboratory and system integration applications.

Engineers and test professionals rely on the E1410A for precise DC voltage, AC voltage, resistance, and temperature measurements across demanding measurement environments.Technical Specifications Resolution: 6.5 digits Measurement Speed: Over 1,450 readings per second in both 3.5-digit and 6.5-digit normal mode DC Voltage Range: Up to 300.0 V AC Voltage: True RMS measurements from 20 Hz to 1 MHz Resistance Measurement: 2- and 4-wire modes with offset compensated ohms Temperature Support: Thermistor and RTD measurements Integration Time: Selectable from 100 power line cycles to 0.0005 power line cycles Noise Rejection: Normal mode rejection up to 90 dB in 6.5-digit mode; high common mode rejection Calibration: Software calibration supportedKey Features Offset compensated ohms eliminate series voltage offsets for precise resistance measurement Programmable settling times optimize AC measurement performance Long integration times and system guard enable accurate low-level signal measurements Extensive external triggering with TTL trigger lines accessible from front panel or VXIbus External trigger and voltmeter complete signals support system synchronization Configurable resolution, accuracy, and noise rejection parameters for speed-accuracy optimizationTypical Applications Component and subsystem characterization, automated test systems, precision data acquisition, low-level signal measurement, multipoint temperature monitoring, and resistance verification in laboratory and production environments.Compatibility & Integration Designed as a message-based VXI device, the E1410A integrates directly into VXIbus systems. C-size, 1-slot form factor enables compact system configurations while maintaining full measurement capability and control via the VXIbus.

E1410A Characteristics / Specifications

PARAMETER	VALUE
Digits Of Resolution	6.5
Module Size	C
Slots Occupied	1
VXI Device Type	message based
Product Family	E141x VXI multimeters
Measurement Functions Class	DCV ACV DCI ACI ohms frequency period class
Max Voltage Class	300 V class per E141x family
Max Current Class	3 A class per E141x family
Integrating A/D	yes
Reading Memory	internal reading storage path
Programming	SCPI
Connectors	P1/P2
Form Factor	single slot C-size
Warmup Class	1 hour class for full accuracy
Operating Temperature Class	0 to 55 C
Calibration Interval Class	annual calibration recommended
Math Functions Class	NULL MIN/MAX limit dB class
Range Change Speed Class	tens of range changes per second class
High Resolution Rate Class	sub reading per second at max digits
Fast Digits Rate Class	hundreds to 1000 rdgs/s class at reduced digits
Input Terminals	front panel DMM terminals
Related Higher Accuracy Model	E1412A
Related 5.5 Digit Model	E1411B
Operating temperature	Class: 0 to 55 C

E1410A Specifications

PARAMETER	VALUE
Agilent E1410A 6.5 Digit VXI Multimeter	Overview
Key Features	6.5 digit integrating DMM architecture
Internal reading memory path	SCPI programming with command module/controller
Technical Specifications	Digits Of Resolution: 6.5

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Calibration Interval Class	annual calibration recommended
Math Functions Class	NULL MIN/MAX limit dB class
Range Change Speed Class	tens of range changes per second class
High Resolution Rate Class	sub reading per second at max digits
Fast Digits Rate Class	hundreds to 1000 rdgs/s class at reduced digits
Input Terminals	front panel DMM terminals
Related Higher Accuracy Model	E1412A
Related 5.5 Digit Model	E1411B Notes Model identity and 6.5-digit/C-size/1-slot classification from HP E1410A user documentation indexes and E141x family materials. Use the E1410A user manual accuracy tables for exact range limits; do not substitute E1412A percentages without confirming the E1410A appendix.

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

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