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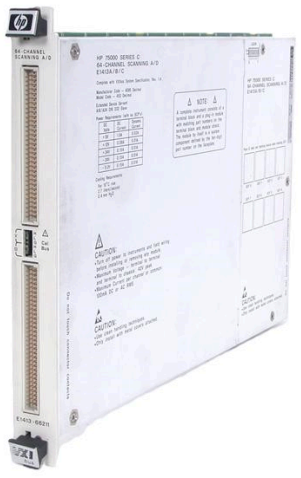
Data Sheet
August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1413B

Keysight E1413B 64 Channel High Speed Scanning A/D Converter The Keysight E1413B isaC-size single-slot VXI scanning A/D combining a 16-bit converter with a 64-channel differential FET multiplexer and up to eight signal conditioning plug-ons for high-speed data acquisition. Computer-aided test, production data acquisition, multi-channel autoranging voltage/temperature/strain measurements, and parallel multi-module scanning in VXI mainframes. 64 differential channels in oneCsize slot The Keysight E1413B isaC-size single-slot VXI scanning A/D combining a 16-bit converter with a 64-channel differential FET multiplexer and up to eight signal conditioning plug-ons for high-speed data acquisition. Computer-aided test, production data acquisition, multi-channel autoranging voltage/temperature/strain measurements, and parallel multi-module scanning in VXI mainframes. 64 differential channels in oneCsize slot Scans up to 100000 samples per second with autoranging



MODEL **Agilent / Keysight E1413B**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E1413B**	LISTING **https://aumictechlabs.com/products/e1413b-2/**

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

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1413B is a C-size VXI module that provides 6-channel high-voltage isolated digital input and output for industrial control, monitoring, and data acquisition in demanding environments. The module combines on-board signal processing with flexible scanning architecture to deliver reliable performance in applications requiring electrical isolation and

programmatic control.Technical Specifications Module Type: C-size VXI-based digital I/O module Channels: 6-channel high-voltage isolated digital I/O Data Format: IEEE floating-point data format at speed Engineering Unit Conversion: On-board per-channel conversion to engineering units at speed Scanning: Multiple scan lists with configurable scan rates; FIFO buffer for data logging; Current Value Table (CVT) for rapid data access Address Space: Extended device addressing in A16 and A24 space Calibration: Per-channel on-board calibration bus and source with programmatic control Programming Interfaces: SCPI, CSCPI, and direct register-level accessKey Features High-voltage isolation protects connected equipment and system integrity in harsh industrial environments Signal Conditioning Plug-ins (SCPs) provide input protection and signal conditioning for eight-channel blocks; voltage range and protection specifications determined by selected SCP Flexible scanning with multiple configurable scan rates accommodates diverse measurement profiles On-board engineering unit conversion eliminates post-processing overhead Current Value Table enables low-latency data retrieval for time-critical applicationsTypical Applications Industrial equipment control and monitoring Automated test systems requiring high-voltage isolation Data acquisition in electrically harsh environments Equipment protection in systems with potential fault conditionsCompatibility & Integration Integrates into VXI modular instrument systems with standard VXI chassis and controllers. Requires earth ground connection before operation for electrical safety. Signal conditioning and input protection specifications are determined by the installed Signal Conditioning Plug-in.

E1413B Characteristics / Specifications

PARAMETER	VALUE
Model	E1413B
Instrument Type	high speed scanning A/D converter
Card Format	C size 1 slot VXI
Channel Count	64 differential
ADC Resolution	16 bits
Scan Rate Maximum	100000 samples per second
Accuracy Class	0.01 percent of reading
Full Scale Input Range Class	4 mV to 16 V
FIFO Buffer Depth	65024 samples
Current Value Table	latest value per scanned channel
Scan Lists	4 lists
Channels Per Scan List	up to 1024 assignments each
List Of Lists Entries	up to 1024 references
Signal Conditioning Plug On Slots	8
Channels Per SCP	8
Data Format	IEEE 754 32 bit floating point
Engineering Units Conversion	supported
Backplane Transfer	D16 or D32 block transfers
Calibration	on board sources for all channel calibration
Programming	SCPI and compiled SCPI
Device Role	register based scanning subsystem
Self Calibration	automatic all channel calibration
Wiring Offset Compensation	supported
Module Width	singleCsize slot

E1413B Specifications

PARAMETER	VALUE
Key Features	64 differential channels in one C size slot
Scans up to 100000 samples per second with autoranging	65024 sample FIFO plus current value table
Technical Specifications	Model: E1413B
Notes	Numeric rows from Agilent/HP E1413B product literature and family scanning A/D descriptions shared with E1413A/C.

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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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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