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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E1332A 4-Channel Counter/Totalizer

HP Agilent E1332A 4-Channel Counter/Totalizer VXI The HP E1332A isaB-size (A/B family) VXI 4-channel counter/totalizer for event counting, frequency, period, and totalize in automated test. Register-based; programmed via E1406A SCPI drivers. Occupies one VXI slot in a B- or C-size cage (with E1403A adapter for C-size). Production event counting; frequency/totalize in VXI ATE; multi-channel tachometer-style counting; fixture interlock pulse counts. The HP E1332A isaB-size (A/B family) VXI 4-channel counter/totalizer for event counting, frequency, period, and totalize in automated test. Register-based; programmed via E1406A SCPI drivers. Occupies one VXI slot in a B- or C-size cage (with E1403A adapter for C-size). Production event counting; frequency/totalize in VXI ATE; multi-channel tachometer-style counting; fixture interlock pulse counts.



MODEL

**Keysight / Agilent /
HP E1332A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1332A

LISTING

[https://aumictechlabs.c
om/products/e1332a-2/](https://aumictechlabs.com/products/e1332a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E1332A is a 4-channel counter/totalizer VXI module engineered for high-speed counting and signal measurement applications. This B-size, 1-slot register-based device delivers seven distinct counter functions - frequency, period average, pulse width, time interval, totalize, gated totalize, and up/down count - with frequency measurement capability to 4 MHz. The

module supports both direct and isolated input configurations, enabling flexible signal conditioning across up to 8 channels via multiplexing between 4 isolated and 4 non-isolated channels, though only 4 channels can totalize simultaneously. Technical Specifications Frequency Range: DC to 4 MHz Input Channels: 4 primary channels; up to 8 channels via multiplexing (4 isolated + 4 non-isolated) Non-isolated Input Constraints (Channels 1–4): Maximum frequency 4 MHz, minimum 0.002 Hz, maximum time interval/pulse width 858 sec, maximum input ± 5 V, minimum sensitivity 25 mVrms at 2 MHz, event detection ± 2.5 V, level step size 20 mV Isolated Input Constraints (Channels 1–4): Maximum frequency 4 MHz, minimum 0.002 Hz, maximum time interval/pulse width 858 sec, maximum input ± 42 V, minimum sensitivity 1 Vrms at 2 MHz, event detection ± 25 V, level step size 200 mV, isolation 170 Vrms Totalize Function: Counts rising or falling edge transitions; range 1 to $(2^{32} - 1)$ counts; minimum pulse width 125 ns Gated Totalizing: Counts transitions on channels 1 and 3, gated by channels 2 and 4 respectively; programmable gate polarity; range 1 to $(2^{16} - 1)$ counts; minimum pulse width 125 ns Up/Down Counting: Channels 1–2 and 3–4 form paired counters with subtraction logic; range $\pm(2^{31} - 1)$; minimum pulse width 125 ns Digital Input Low-Pass Filter: Software-selectable, 16 binary steps from 4 Hz to 131 kHz; attenuates high-frequency noise including mechanical switch bounce Key Features Programmable trigger levels and dual input voltage ranges for signal conditioning Software-selectable direct or isolated inputs with up to 170 Vrms isolation Flexible multiplexing between isolated and non-isolated channel pairs Typical Applications Frequency and time interval measurement, event counting, gated acquisition, and bidirectional pulse accumulation in automated test environments. Compatibility & Integration VXI form factor enables direct integration into standard VXI mainframes and register-based control architectures.

Features & description

From manufacturer datasheet

Features

- 4 independent counter/totalizer channels

E1332A Characteristics / Specifications

PARAMETER	VALUE
Model	E1332A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI Counter/Totalizer
Alias	E1332A; HP E1332A
Channels	4
Functions	frequency period totalize/event count
VXI Size	B-size (use E1403A A/B-to-C adapter in C-size cages)
Slot Count	1
Device Type	register-based
Command Path	E1406A SCPI drivers
Input	digital/count inputs on terminal block
Related E1333A	higher-spec VXI counter family
Related E1403A	A/B to C-size adapter
Host	VXI mainframe Slot 0 command module
Isolation	channel inputs per counter family
Gate	internal/external gate family
Timebase	module/VXI CLK10 family
Maximum Count	totalizer bit width per E1332A sheet
Frequency Range	counter family (confirm E1332A spec sheet)
Trigger	VXI TTL trigger
Cooling	VXI airflow
Status	HP E1332A EOL
Terminal	screw terminal accessory
NotADMM	counter/totalizer not E1411A
Not 8 Channel DSP	not E1433

PARAMETER	VALUE
Software	SCPI COUNTER subsystem
Form	VXI plug-in
Power	VXI backplane supplies Notes 4-channel VXI counter/totalizer identity from HP E1332A product literature. Maximum frequency and input threshold voltages are on the E1332A specifications page: confirm rather than copying E1333A or 53131A numbers.

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.

performance counter

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	E1332A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI Counter/Totalizer

Specifications

PARAMETER	VALUE
Alias	E1332A; HP E1332A
Channels	4
Functions	frequency period totalize/event count

Specifications

PARAMETER	VALUE
VXI Size	B-size (use E1403A A/B-to-C adapter in C-size cages)
Slot Count	1
Device Type	register-based

Specifications

PARAMETER	VALUE
Command Path	E1406A SCPI drivers
Input	digital/count inputs on terminal block
Related E1333A	higher-spec VXI counter family

Specifications

PARAMETER	VALUE
Related E1403A	A/B to C-size adapter
Host	VXI mainframe Slot 0 command module
Isolation	channel inputs per counter family

Specifications

PARAMETER	VALUE
Gate	internal/external gate family
Timebase	module/VXI CLK10 family
Maximum Count	totalizer bit width per E1332A sheet

Specifications

PARAMETER	VALUE
Frequency Range	counter family (confirm E1332A spec sheet)
Trigger	VXI TTL trigger
Cooling	VXI airflow

Specifications

PARAMETER	VALUE
Status	HP E1332A EOL
Terminal	screw terminal accessory
NotADMM	counter/totalizer not E1411A

Specifications

PARAMETER	VALUE
Not 8 Channel DSP	not E1433
Software	SCPI COUNTer subsystem
Form	VXI plug-in

Power: VXI backplane supplies

Notes

4-channel VXI counter/totalizer identity from HP E1332A product literature. Maximum frequency and input threshold voltages are on the E1332A specifications page: confirm rather than copying E1333A or 53131A numbers.

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

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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.