

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) CX3322A Device Current Waveform Analyzer, 1 GSa/s, 14/16-bit, 2 Channel

Keysight (Agilent) CX3322A Device Current Waveform Analyzer, 1 GSa/s, 14/16-bit, 2 Channel

The Keysight CX3322A is a 2-channel Device Current Waveform Analyzer mainframe in the CX3300 Series. It digitizes current-sensor inputs at up to 1 GSa/s with 14-bit resolution (or 16-bit at reduced rate) to visualize wideband low-level current waveforms previously difficult to measure. Bandwidth options 50/100/200 MHz; memory options 16/64/256 Mpts per channel. Works with CX1100-series current sensors. IoT/mobile power integrity; MCU/SoC current profiling; battery-drain and standby current waveforms; power-rail transient analysis. The Keysight CX3322A is a 2-channel Device Current Waveform Analyzer mainframe in the CX3300 Series. It digitizes current-sensor inputs at up to 1 GSa/s with 14-bit resolution (or 16-bit at reduced rate) to visualize wideband low-level current waveforms previously difficult to measure. Bandwidth options 50/100/200 MHz; memory options 16/64/256 Mpts per channel. Works with CX1100-series current sensors. IoT/mobile power integrity; MCU/SoC current profiling; battery-drain and standby current waveforms; power-rail transient analysis.

No photo

MODEL Keysight CX3322A	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU CX3322A	LISTING Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- 2 channels (CX3324A is 4-channel sibling)
- Max sample rate: 1 GSa/s (14-bit); 75 MSa/s (16-bit high-resolution mode)
- Bandwidth options: 50 MHz (B05), 100 MHz (B10), 200 MHz (B20)
- Memory: 16 / 64 / 256 Mpts per channel
- Wide dynamic range current waveform capture via dedicated sensors
- 14-bit / 16-bit digitizer modes

CX3322A Characteristics / Specifications

PARAMETER	VALUE
Model	CX3322A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Device Current Waveform Analyzer
Family	CX3300 Series
Alias	CX3322A Acquisition
Channels	2
Sample rate	1 GSa/s max (14-bit); 75 MSa/s (16-bit)
Bandwidth options	50 MHz (B05), 100 MHz (B10), 200 MHz (B20)
Memory options	16 / 64 / 256 Mpts/ch
Standard memory	16 Mpts/ch Sensors Requires CX1100-series current sensors (sold separately) Operational Notes Prefer Keysight CX3300 Series datasheet for sensor dynamic range and noise floor tables.
Max sample rate	1 GSa/s (14-bit); 75 MSa/s (16-bit high-resolution mode)
Memory	16 / 64 / 256 Mpts per channel
Bandwidth	options 50/100/200 MHz; memory options 16/64/256 Mpts per channel. Works with CX1100-series current sensors.

CX3322A Specifications

PARAMETER	VALUE
Applications	IoT/mobile power integrity; MCU/SoC current profiling; battery-drain and standby current waveforms; power-rail transient analysis.
Key Features	- 2 channels (CX3324A is 4-channel sibling)
Technical Specifications	Model: CX3322A
Acquisition	Channels: 2
Sensors	Requires CX1100-series current sensors (sold separately)
Operational Notes	Prefer Keysight CX3300 Series datasheet for sensor dynamic range and noise floor tables.

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
Model	CX3322A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Device Current Waveform Analyzer
Family	CX3300 Series
Alias	CX3322A

Acquisition

Specifications

PARAMETER	VALUE
Channels	2
Sample rate	1 GSa/s max (14-bit); 75 MSa/s (16-bit)
Bandwidth options	50 / 100 / 200 MHz
Memory options	16 / 64 / 256 Mpts/ch
Standard memory	16 Mpts/ch

Sensors

Requires CX1100-series current sensors (sold separately)

Operational Notes

Prefer Keysight CX3300 Series datasheet for sensor dynamic range and noise floor tables.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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 ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 5, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.