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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight CX1152A

Use Case: digital trigger of current waveform measurements Related Voltage Adapter: CX1151A passive probe interface adapter (separate accessory) Related Sensors: CX1101A / CX1102A current sensors Literature: Keysight CX3300 Device Current Waveform Analyzer datasheet CX1152A tables Related Voltage Adapter: CX1151A passive probe interface adapter (separate accessory) Related Sensors: CX1101A / CX1102A current sensors Literature: Keysight CX3300 Device Current Waveform Analyzer datasheet CX1152A tables Operating Temperature Class: CX3300 mainframe



MODEL	CALIBRATION
Agilent / Keysight CX1152A	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
CX1152A	https://aumictechlabs.com/products/cx1152a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight CX1152A is a digital channel accessory module that extends the measurement and triggering capabilities of the CX3324A Device Current Waveform Analyzer. It has 8 bidirectional digital I/O lines for synchronizing current measurements with external digital signals, making it ideal for characterizing low-power devices with digital interfaces. The module's high input impedance minimizes loading effects on the device under test while supporting a wide voltage range. Technical Specifications Digital Channels 8 bidirectional digital I/O lines 10 MΩ input impedance per channel ±25 V input dynamic range ±40 V maximum input voltage Configurable threshold voltage for logic level determination Interfaces Dedicated connection to CX3324A

mainframe via digital channel interface cable (Digital D7-D0 connector) Signal connections via provided grabbers and probe ground leads Included Accessories 10 grabbers 5 probe ground leads 1 BNC adapter (BNC jack to probe tip)Key Features The 10 M Ω per-channel input impedance is specifically engineered to minimize load current, enabling accurate measurements on ultra-low-power devices without degrading their normal operation. Each channel supports independent configuration of threshold voltage, allowing flexible logic level interpretation across different signal standards and device families. Digital triggering synchronizes current acquisition with external control signals - including microcontroller I/Os, data buses, and protocol signals - enabling precise temporal correlation between electrical behavior and device state transitions.

Typical Applications Power profiling of battery-powered embedded systems State-dependent current analysis during digital control sequences Validation of power management and sleep-mode transitions Multi-channel triggering for complex system characterization

Compatibility & Integration The CX1152A integrates exclusively with the Keysight CX3324A mainframe as part of the CX3300 Series architecture. Configuration occurs through the CX3324A settings menu, where users select active channels, set graph scale and display order, and define per-channel threshold voltages. This modular design allows the base analyzer to be extended without replacing core instrumentation.

CX1152A Characteristics / Specifications

PARAMETER	VALUE
Model	CX1152A
Instrument Type	Digital channel accessory for CX3300
Host Mainframe	CX3324A only
Input Channels	8
Input Impedance	10 Mohm plus or minus 2 percent with approximately 8 pF in parallel
Input Dynamic Range	plus or minus 25 V
Threshold Range	plus or minus 25 V, 10 mV step
Threshold Accuracy	plus or minus (150 mV plus 3 percent of threshold setting)
Maximum Input Voltage	plus or minus 40 V peak
Minimum Input Swing	500 mV peak-to-peak
Channel To Channel Skew	4 ns
Resolution	1 bit
Use Case	digital trigger of current waveform measurements
Related Voltage Adapter	CX1151A passive probe interface adapter (separate accessory)
Related Sensors	CX1101A / CX1102A current sensors
Manufacturer	Keysight Agilent
Form Factor	CX3300 digital channel pod
Literature	Keysight CX3300 Device Current Waveform Analyzer datasheet CX1152A tables
Operating Temperature Class	CX3300 mainframe
Power	from CX3324A
Family	CX3300 accessories
Documentation Type	OEM CX3300 selection guide
Brand Lineage	Keysight Agilent
Operating temperature	Class: CX3300 mainframe

CX1152A Specifications

PARAMETER	VALUE
Applications	Synchronizing CX3300 current captures to controller I/O or data-bus edges on up to 8 digital lines.
Eight digital channels	10 Mohm input to cut load current
Plus or minus 25 V thresholds	CX3324A mainframe only
Technical Specifications	Model: CX1152A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: CX3300 mainframe
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Operating Temperature Class	CX3300 mainframe
Power	from CX3324A
Family	CX3300 accessories
Documentation Type	OEM CX3300 selection guide
Brand Lineage	Keysight Agilent Notes From Keysight CX3300 datasheet CX1152A digital-channel tables. Probe lead pinout and threshold-to-ground reference are in the CX1152A characteristics section of that sheet.

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	
From Keysight CX3300 datasheet CX1152A digital-channel tables. Probe lead pinout and threshold-to-ground reference are in the CX1152A characteristics section of that sheet.	

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