

Save 15% on CX3300 Application Bundles

For Automotive Applications



Challenges of Automotive Device Development

As electric vehicles, autonomous driving, and Advanced Driver-Assistance Systems (ADAS) become more prevalent in today's world. It has significantly raised the bar for the product's reliability and performance. It is crucial that these components used in vehicles can withstand high temperatures and harsh environments. Any malfunction of these devices could lead to injuries, fatalities, legal liability, and mass product recalls.

An instrument capable of performing accurate characterization and efficient debugging of the vehicle's semiconductor devices under high-temperature conditions could help you ensure your product's reliability and performance.

CX3300 Gears You Up for the Challenges of Automotive Device Development

The Keysight CX3300 Series Current Waveform Analyzer helps you with device development for automotive tests under high-temperature conditions.

Easily and accurately measure current and voltage with ultra-low noise under a high-temperature condition in the test chamber.

- CX3300 mainframe has 200 MHz wide bandwidth, high-resolution / high-speed sampling at 16-bit (75 MSa/s) / 14-bit (1 GSa/s).
- CX1105A differential sensor covers -50 to +150 °C with 1 m shielded twisted pair cable, sub- μ V ultralow noise, maximum of 100 MHz bandwidth, maximum of 100 A measurement, and > 80 dB wide dynamic range.

Perform long-duration measurements with a high sampling rate that captures rare anomalies and fast spikes.

- The data logger mode measures up to 100 hours with a maximum of 10 MSa/s.

Debug quickly by using waveform classification and detailed waveform analysis features.

- The anomalous waveform analytics feature classifies waveform data exceeding a terabyte to enable the identification of rare anomalies.
- The trend analyzer feature takes an in-depth look into the inflection point from the entire waveform's visualized statistical trend.

Take Advantage of 15% Bundle Discount for Automotive Applications

When ordering the CX3324A with the options listed below and its sensor/adaptor, you can save ~15% off the list price, including KeysightCare Assured First Year Support relative to purchasing the same items individually ¹.

Product	Description	Minimum Required Number
CX3324A with Option B20/256/STG	4 Channel Mainframe Opt. B20: Bandwidth 200 MHz Opt. 256: Memory 256 M pts/Ch Opt. STG: Data logger mode	1
CX1105A	Ultra-low Noise Differential Sensor	1
CX1151A	Passive Probe Interface Adapter	1

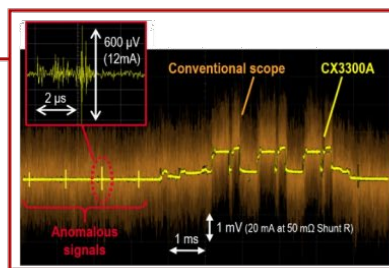
1. CX3322A (2 Channel Mainframe) is not applicable.

To Take Advantage of This Offer

Contact a [Keysight representative](#) or [authorized partner](#).

To learn more about the Automotive application using the CX3300, please visit the links below:

- [Case Study - Automotive ECU Designer Reduces Power Consumption by 10%](#)
- [Application 1-Pager - Automotive Device Quality Assurance Testing under High-Temperature Conditions up to 150 °C in Chamber](#)
- [Application 1-Pager - Anomalous Waveform Analytics Enabling Innovative Failure Analysis of MCUs and FPGAs](#)
- [YouTube Videos](#)



CX1105A measurement example



Anomalous Waveform Analytics

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



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