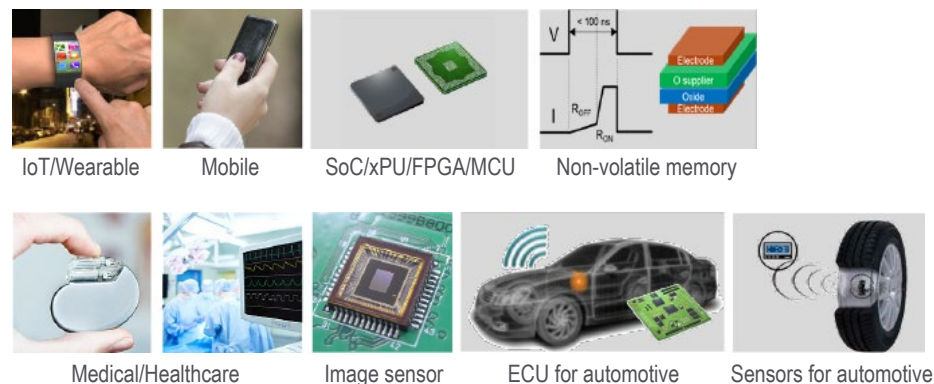


# Keysight CX3300 Series Device Current Waveform Analyzer

Extend your advantage in IoT/Mobile & NVM characterization by analyzing in-depth current and voltage waveforms



## Applications:

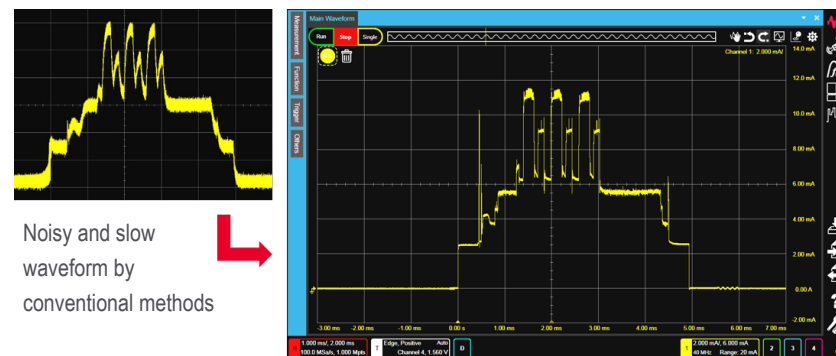


## What is the CX3300 series for?

- Precisely view low-level current waveform that were previously undetectable by DMMs or oscilloscopes
- Accurately characterize and quickly validate the power delivery network (PDN) for IoT/Mobile devices with a single instrument, a single shot
- Clearly measure transient current for novel non-volatile memories (NVMs) such as ReRAM, PRAM, etc

## Key Features:

- Five dedicated low noise current/differential sensors cover the dynamic measurement from 150 pA to 100 A
- Maximum 200 MHz bandwidth with 1 GSa/s
- 14/16 bit resolution and low noise sensing
- Memory depth from 4 Mpts/ch to 256 Mpts/ch
- Quick and intuitive dynamic measurement
- Convenient waveform analysis capabilities: Automatic power/current profiler, CCDF, FFT and etc.



Wide dynamic measurement range, ultra low noise floor and 1 GHz max sampling rate reveal current waveforms previously unmeasurable

Learn more at: [www.keysight.com](http://www.keysight.com)

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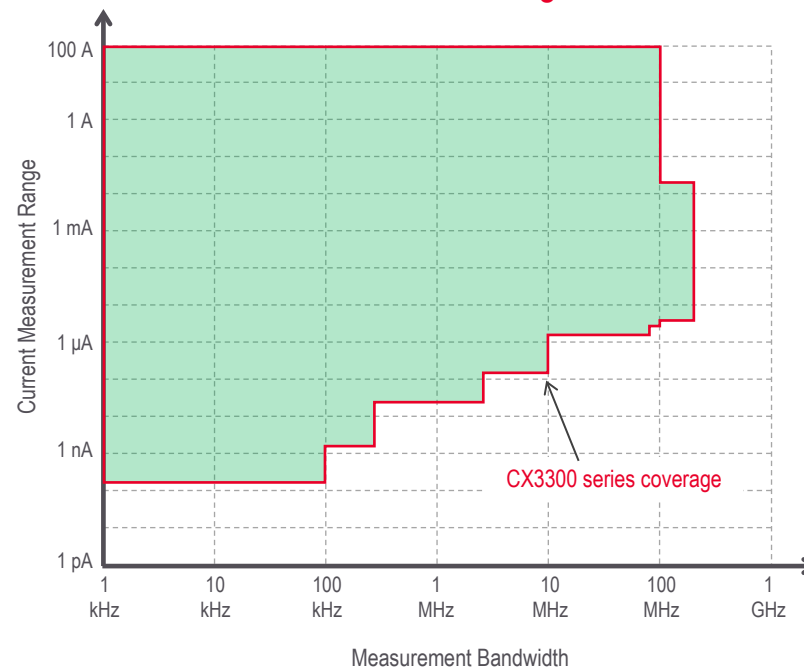
## CX3300 Series Device Current Waveform Analyzer

Specification	Mainframe	
	CX3322A	CX3324A
Number of channels	2	4
Analog bandwidth options	50 MHz, 100 MHz, 200 MHz	
Max sample rate	1 GSa/s	
Dynamic range		
High speed	14 bit	
High resolution	16 bit (75 MSa/s)	
Standard memory depth options	4 Mpts/ch, 16 Mpts/ch, 64 Mpts/ch, 256 Mpts/ch	
Digital (Trigger) channel	No	Yes

## Current/Differential Sensors and Adapters for CX3300 Series

Sensor/Adapter	RMS noise at 20 MHz NBW	Maximum range	Maximum bandwidth	Maximum common mode voltage
CX1101A Single Channel	40 nA	10 A	100 MHz	± 40 V
CX1102A Dual Channel	40 nA	1 A	100 MHz	± 12 V
CX1103A Low Side	150 pA	20 mA	200 MHz	± 0.5 V
CX1104A Selectable Shunt	22 µA	15 A	20 MHz	± 40 V
CX1105A Low Noise Differential	20 µV	2.5 V	100 MHz	± 40 V ± 6 V
CX1151A Passive Probe Adapter	90 µV	8 V (1:1) 80V (10:1)	300 MHz	N/A

## CX3300 Current Measurement Range vs. Bandwidth



CX1101A



CX1102A



CX1103A



CX1104A



CX1105A

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