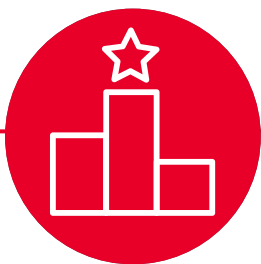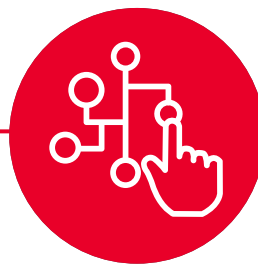# Keysight InfiniiVision 4000G X-Series Oscilloscopes

## Versatility Unleashed, Possibilities Amplified

The 4000G X-Series offers the industry-leading capabilities engineers value in InfiniiVision, such as the fastest uncompromised waveform update rate and the world's easiest triggering capability, zone trigger. The 4000G raises the bar with advanced features now included in the standard configuration, creating a combination of advanced performance, intuitive usability, and versatile functionality.

### Advanced

- Easiest triggering system in the industry – zone trigger
- Industry's fastest uncompromised waveform update rate of 1,000,000 wfms/sec
- Advanced features part of standard config other vendors don't have or charge extra: WaveGen, hardware-based mask testing, measurement limit testing, FRA, histograms, hardware-based serial decoding, segmented memory

### Intuitive

- User-friendly InfiniiVision interface ensuring easy setup and navigation
- Built-in help on every button and zone trigger simplify complex analysis
- Options bundled into standard config makes purchasing even more simple

### Versatile

- Dive deeper, faster with multiple instruments integrated in one: FRA, counter/totalizer, DVM, WaveGen, hardware-based protocol analysis, 16 digital channels
- Extensive portfolio of probes and accessories
- Industry-specific software, such as power analysis suite including automatic power supply rejection ratio and control loop response measurements

More Information: www.keysight.com

KEYSIGHT

# Versatility Unleashed, Possibilities Amplified

| DSOX or MSOX (i.e. DSOX4022G) | 4022G | 4024G | 4032G | 4034G | 4052G | 4054G | 4104G | 4154G |
|---|---|---|---|---|---|---|---|---|
| Bandwidth | 200 MHz | | 350 MHz | | 500 MHz | | 1 GHz | 1.5 GHz |
| Analog Channels | 2 | 4 | 2 | 4 | 2 | 4 | 4 | 4 |
| MSO / Digital Channels | 16 | | | | | | | |
| Sample Rate | 5 GSa/s | | | | | | | |
| Waveform Update Rate | Industry's only uncompromised waveform update rate of >1,000,000 wfms/s | | | | | | | |
| Zone Touch Trigger | Standard | | | | | | | |
| Active Probing | Yes | | | | | | | |
| Integrated 20 MHz WaveGen | Standard dual arbitrary waveform generators | | | | | | | |
| Frequency Response Analysis (Bode plot) | Standard | | | | | | | |
| Integrated Digital Voltmeter | Standard | | | | | | | |
| Integrated Hardware Counter | Standard | | | | | | | |
| Hardware Serial Decode | Standard $I^2C$, SPI, UART, (RS232/422/485), $I^2S$, USB-PD, more optional decodes – widest range of hardware-based decodes available in this class of oscilloscopes | | | | | | | |
| Segmented Memory | Standard | | | | | | | |
| Mask/Measurement Limit Testing | Standard, hardware-based | | | | | | | |
| Histograms | Standard | | | | | | | |
| Power Analysis Suite | Optional | | | | | | | |
| HDTV Video Analysis | Standard | | | | | | | |
| Advanced Math | Standard | | | | | | | |
| Screen Size | 12.1 in capacitive touch screen | | | | | | | |

**Do you need higher bandwidth, faster sample rate, or more advanced analysis options than the 4000G X-Series has to offer?**

Check out the 6000 X-Series!

1 GHz to 6 GHz, 2 or 4 Channels, 20 GSa/s, advanced jitter analysis, and more

## Resources to Learn More

4000G specific content will be added at public introduction (Jan 15, 2024)

InfiniiVision Technical Resources

InfiniiVision Oscilloscopes Catalog

Keysight InfiniiVision Oscilloscope

InfiniiVision Software 1-Pager

Keysight Hands-On YouTube Channel with InfiniiVision Tutorials

Keysight Labs YouTube Channel with InfiniiVision Tutorials

6 Tricks to Get the Most Out of Your Oscilloscope

## Services

With Keysight services you will gain exclusive access to our industry experts with KeysightCare Technical Support!

KeysightCare Service and Support

Calibration Services

Keysight Support Portal

**KEYSIGHT**