TODAY'S OSCILLOSCOPE

VERTICAL CONTROLS

Scale (larger knob): Control height of waveform in units of volts/division.
Position (smaller knob): Control up and down position of waveform. Multiplexed knobs: Select channel to control and toggle.

TRIGGER CONTROLS

Define a trigger event to synchronize waveform capture.
Source: Select which channel to trigger on.
Slope: Select rising or falling edge to trigger on.
Level (knob): Set the voltage value on the waveform for triggering.

Auto Mode: Capture waveforms with or without a trigger event occurring.
Normal Mode: Capture waveforms only when a trigger event occurs.

SAVE/RECALL

Save and recall setups, waveforms and bitmap images to a USB memory stick.

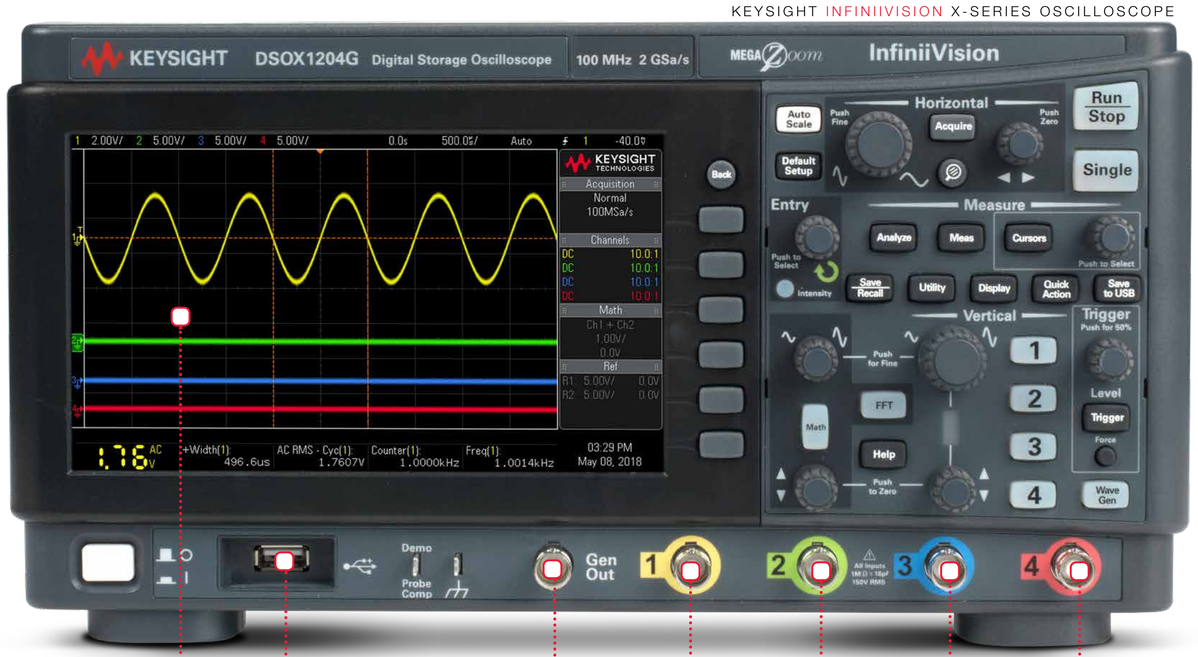
MEASURE

Cursors: Perform voltage and timing measurements using manually controlled cursors.
Automatic Measurements: Perform automatic measurements, such as voltage peak-peak, rise time, pulse width, etc.

QUICK SETUP TIPS

1. **Connect oscilloscope probes to device under test (DUT).**
2. **Press Default Setup.**
3. **Turn on all channels that have input signals.**
4. **Adjust Vertical Scale and Position to observe all channels.**
5. **Press Trigger Level knob to set triggering at the 50% level.**
6. **Adjust Horizontal Scale to view a few cycles of the waveform.**

KEYSIGHT INFINIIVISION X-SERIES OSCILLOSCOPE



Waveform display area shows waveforms graphically, typically in volts (vertical axis) versus time (horizontal axis). The display area is divided into "divisions" using vertical and horizontal grid lines.

USB port

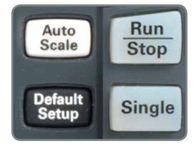
Use the built-in function generator to simulate a variety of electrical signals like AM and FSK modulation.

Input up to 4 signals using oscilloscope probes or BNC cables

HORIZONTAL CONTROLS

Scale (larger knob): Control width of waveforms in units of seconds/division.
Position (smaller knob): Control left and right position of waveform.
Zoom: Show expanded view of waveforms.

RUN CONTROLS



Run: Capture waveforms continuously.
Stop: Display last captured waveform.
Single: Perform a single acquisition when the next trigger event occurs.
Default Setup: Reset scope to a default configuration. (Good practice: Begin new measurements with a Default Setup.)
Auto Scale: Automatically set up vertical & horizontal scale and triggering.

BUILT-IN QUICK HELP

Press and hold in any key for instant help for that function/feature.

KEYSIGHT TECHNOLOGIES

Download the Oscilloscope Lab Guide/Tutorial and Oscilloscope Fundamentals slide set at **www.keysight.com/find/edk**