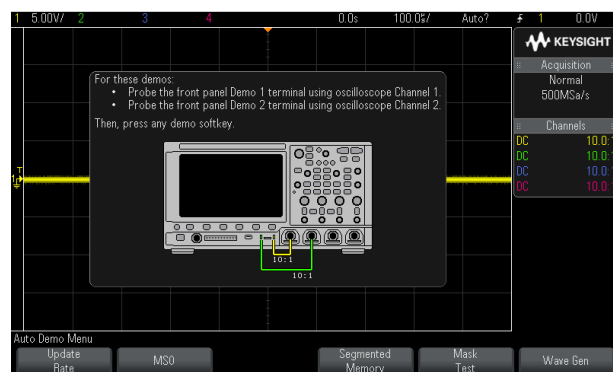# Keysight Technologies
InfiniiVision 2000 X-Series Oscilloscope
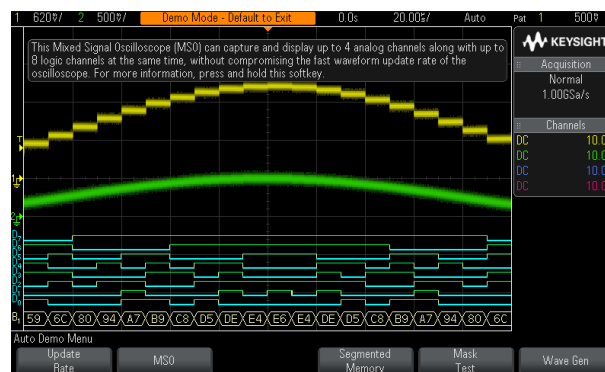
Quick Demo Guide

Getting started

The Auto Demo and App Demo modes allow you to demonstrate oscilloscope features using internally-generated signals.

For these demos, probe the front panel Demo 1 terminal using Channel 1 and probe the front panel Demo 2 terminal using Channel 2 as shown in the connection diagram above.
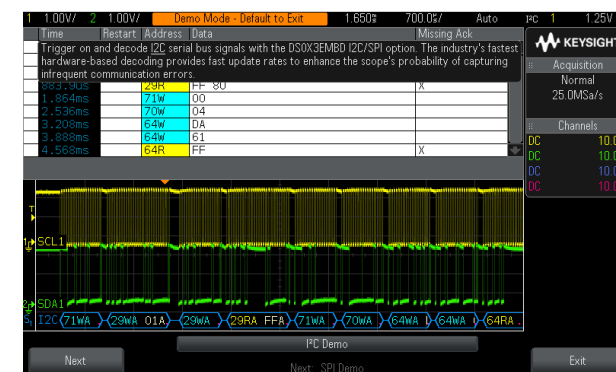
Using the "Auto Demo" mode

Auto Demo shows:

– Fast waveform update rate
– Mixed signal oscilloscope
– Segmented memory acquisition
– Mask testing
– WaveGen function generator

Use the "Auto Demo" mode to quickly demonstrate key features and capabilities of the oscilloscope in two easy steps.

Using the "App Demo" mode

App Demo shows:

– Serial bus (all available protocols)
– Digital voltmeter (DVM)

Use the "App Demo" mode to quickly demonstrate some of the scope's more advanced measurement applications and options in two easy steps.
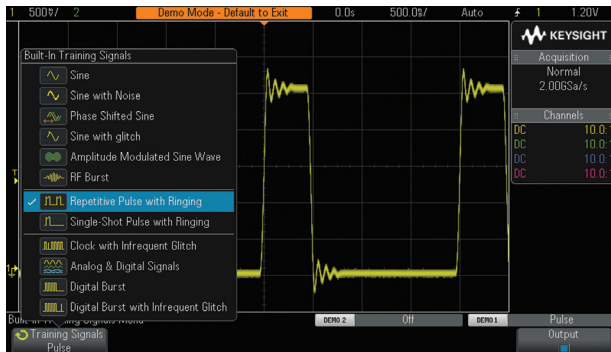
Keysight Technologies
InfiniiVision 2000 X-Series Oscilloscope

In addition to the "Auto Demo" mode, the InfiniiVision Series oscilloscopes also provide a wide array of additional built-in "Training Signals" that can be selected in order to demonstrate some of the new and more advanced triggering and automatic measurement capabilities of the InfiniiVision 2000 X-Series oscilloscope.
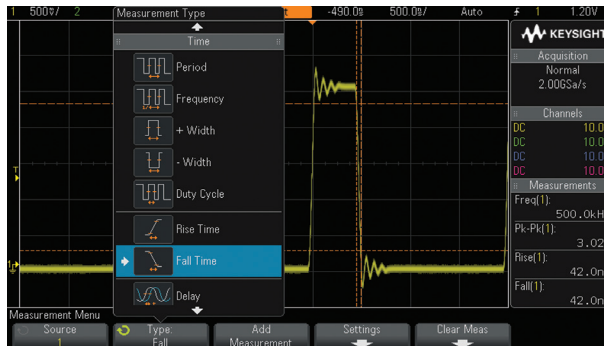
Using the scope's built-in "Training Signals"

1. Press [Default Setup] front panel key.
2. Press [Help] front panel key.
3. Press Training Signals softkey; then select the Repetitive Pulse with Ringing signal from the list using the Entry knob.
4. Press Output softkey to enable this output signal.
5. Set Channel-1 to 500 mV/div with +1.4 V offset using front panel Channel-1 knobs.
6. Press Trigger Level knob to set triggering to 50% of the signal amplitude.
7. Set timebase to 500.0 ns/div using Horizontal scale knob.

You should now see a pulse with ringing similar to the screen image above. Let's now perform some automatic parametric measurements on this pulse.

Selecting an automatic rise time and fall time measurement

8. Press [Meas] front panel key.
9. Select Rise Time measurement from the list using Entry knob; then press Entry knob.
10. Select Fall Time measurement from the list using Entry knob; then press Entry knob.
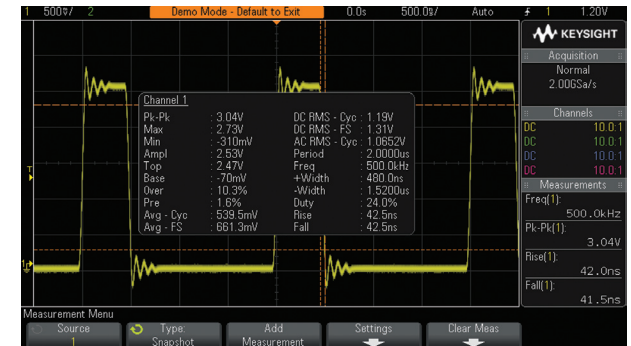
You should now see four continuously updated measurements displayed on the right side of the scope's display similar to the screen image above. Cursors show where the last selected measurement is being performed. Let's now perform a more comprehensive set of measurements on this pulse.

www.keysight.com/find/2000X

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

Selecting the "Snapshot All" measurement

11. Select Snapshot All measurements at the top of the list using Entry knob; then press the Entry knob.

The "Snapshot All" measurement performs a one-time measurement of all available parameters on the signal. The Keysight Technologies, Inc. InfiniiVision 2000 X-Series oscilloscopes provide the most extensive measurement capabilities of any scope in this class.

Three-Year Warranty
www.keysight.com/find/ThreeYearWarranty
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Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

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