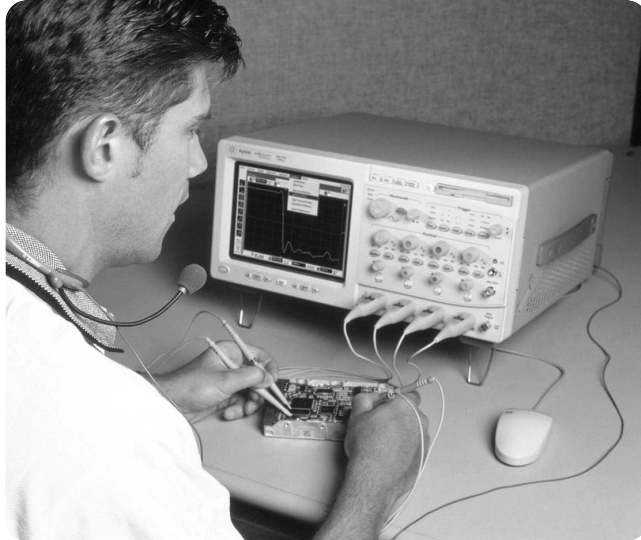
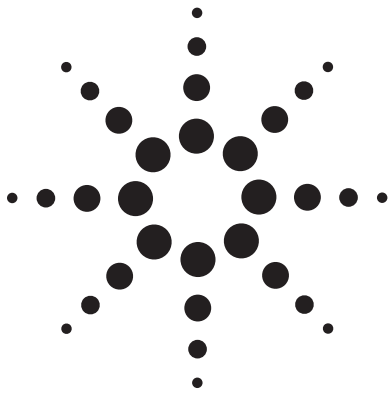


# Option 200: VoiceControl for Agilent Infiniium Oscilloscopes

Data Sheet



- Allows hands-free operation of Infiniium oscilloscopes
- Speak into a collar-mounted microphone to control front-panel oscilloscope features
- Use simple, natural English language commands
- Speaker and gender independent – does not require scope to be "trained"

Because today's circuit boards are typically loaded with densely packed surface-mount ICs with fine-pitch spacing between pins, probing can be extremely challenging. It's often impossible to use a probe's retractable hook tip to grab the small pins of surface-mount parts. Your only option is to manually hold the probes to your device under test. If you're making multi-channel measurements, your hands are tied up holding probes, making it difficult to turn knobs and press buttons on the front panel of your oscilloscope.

Infiniium's VoiceControl option solves this problem. Just speak into the collar-mounted microphone to operate your Infiniium's front-panel controls without using your hands. Simply tell the scope what you want it to do, using natural English language commands, such as "move channel two up" or "set channel one to 1.25 volts per division." Unlike most dictation programs, Infiniium's

VoiceControl option is speaker and gender independent and does not require the oscilloscope to be trained to understand a particular user.

#### Control these oscilloscope features with Infiniium's VoiceControl option:

- Run, stop, print, autoscale, default setup, clear screen
- Vertical controls: volts/division, offset, coupling, input impedance, channel on/off
- Horizontal controls: time/division, delay, delayed sweep
- Trigger controls: mode, source, slope, sweep, coupling, trigger level
- Storage controls: save waveforms and screen images
- Waveform measurements
- "Undo" and "again" commands to retract or repeat last command
- Help for VoiceControl

Use the on-screen tutorial to quickly familiarize yourself with VoiceControl operation. The tutorial prompts you to speak commands and then it executes those commands, giving you immediate experience in using VoiceControl to operate your oscilloscope.

Infiniium high-performance oscilloscopes make it easy to get your job done. Whether it's debugging designs using its straightforward, analog-like front panel; accessing advanced measurements easily through the Windows-based GUI; or operating the oscilloscope "hands-free" with VoiceControl, Infiniium offers the power and flexibility you need to easily get your job done.



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**Option 200 VoiceControl Kit can be used with the following Infiniium oscilloscopes:**

| Model Number | Number of Ch. | Bandwidth | Sample Rate                        | Memory Depth               |
|--------------|---------------|-----------|------------------------------------|----------------------------|
| 54810A       | 2             | 500 MHz   | 1 GSa/s                            | 32k                        |
| 54815A       | 4             | 500 MHz   | 1 GSa/s                            | 32k                        |
| 54820A       | 2             | 500 MHz   | 2 GSa/s                            | 32k                        |
| 54825A       | 4             | 500 MHz   | 2 GSa/s                            | 32k                        |
| 54835A       | 4             | 1 GHz     | 2 GSa/s – 4 ch.<br>4 GSa/s – 2 ch. | 32k – 4 ch.<br>64k – 2 ch. |
| 54845A       | 4             | 1.5 GHz   | 4 GSa/s – 4 ch.<br>8 GSa/s – 2 ch. | 32k – 4 ch.<br>64k – 2 ch. |

**Agilent Technologies  
Option 200 Ordering Information**

**1. With the purchase of a new Infiniium oscilloscope:**

**Option 200** – VoiceControl for Infiniium oscilloscopes

**2. For existing Infiniium oscilloscope customers:**

To use the VoiceControl option, you must have the following minimum Infiniium configuration: 300 MHz CPU, 64 MB RAM, Windows 98, Version A03.50 or greater of the application software, LS-120 120 MB SuperDisk

You can determine if your Infiniium meets these configuration criteria by checking your serial number prefix (find your serial number on the back of your scope, or use your mouse to click on Help/About Infiniium) or by locating a "E2633A" product tag on the back panel of your oscilloscope.

- a. If an "E2633A" product tag is present, or if your serial number prefix starts with US3919 or a higher number, your configuration meets the above requirements. In this case, please order:

**E2635A** User installable retrofit kit for VoiceControl

- b. If you do not see an "E2633A" product tag and your serial number prefix is less than US3919, you must order an Infiniium Oscilloscope Performance Upgrade (Agilent E2633A options 001, option 002 or option 003 – see below for information on selecting the right upgrade option for your Infiniium), as well as the Agilent E2633A option 004 VoiceControl upgrade. For detailed information on the Agilent E2633A Infiniium Performance Upgrade, please see publication number 5968-5154EUS.

**E2633A Option 004**  
VoiceControl upgrade



**ASR1600 Automatic Speech Recognition engine**  
© Lernout & Hauspie™

**Selecting the correct option for the Agilent Technologies E2633A Infiniium Performance Upgrade**

Order one of the following factory-installed upgrades for your Infiniium if it does not have an "E2633A" product tag on the back and the serial number prefix is smaller than US3919.

**E2633A Option 003**

Performance upgrade

Order Option 003 for existing Infiniium oscilloscopes with serial number prefixes beginning with US3845

This option includes: Upgrading your oscilloscope to Windows 98 and version A03.50 of the Infiniium application software, replacing the 1.44MB floppy drive with an LS-120 SuperDisk 120MB floppy, other hardware adjustments and updates, oscilloscope calibration

**E2633A Option 002**

Performance upgrade

Option 002 should be ordered for existing Infiniium oscilloscopes with serial number prefixes from US3805 to US3844

This option includes: All option 003 features, upgrading processor from 200 MHz to 300 MHz

**E2633A Option 001**

Performance upgrade

Option 001 should be ordered for existing Infiniium oscilloscopes with serial number prefixes less than US3805

This option includes: All option 003 features, upgrading processor from 133 MHz to 300 MHz, increasing RAM to 64 MB, adding a LAN card (if not already installed)

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