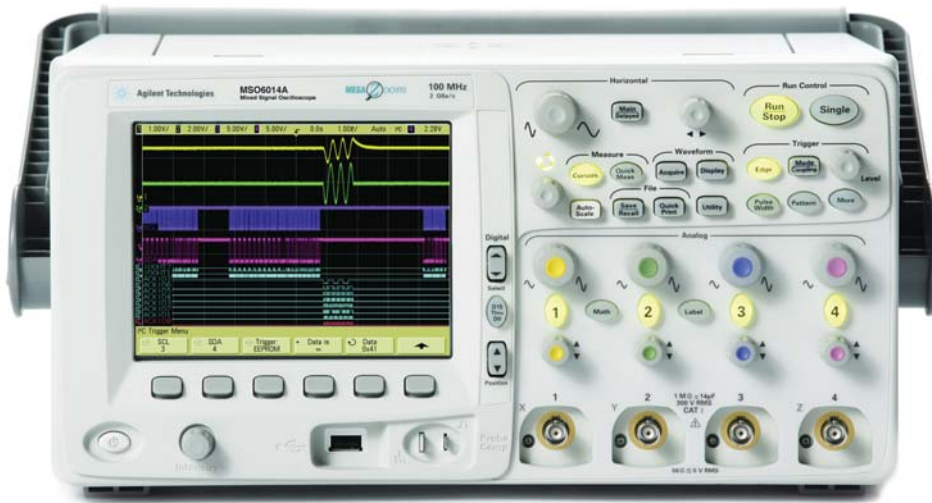


# Agilent InfiniiVision 6000 Series Oscilloscopes

Fastest way to debug your design



**Agilent InfiniiVision 6000 Series scopes will help you identify your most elusive problems faster with:**

## Fast update rate

View infrequent anomalies that most scopes miss with an update rate 5000 times better than the competition.

## Fast deep memory

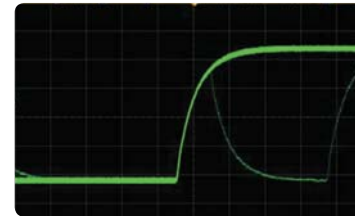
Always on, deep and responsive, **MEGA Zoom III** memory lets you see more time with more detail.

## Real-time serial decode

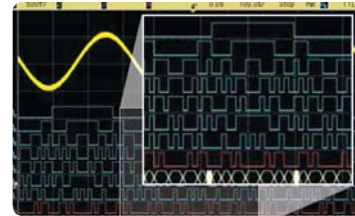
Hardware-based serial decode provides unrivaled real-time update rates to capture infrequent protocol errors.

## Fast digital debug

Combine analog channels with 16 time-correlated digital channels for rapid debug.



Fast and responsive: an update rate 5000 times better means you will see even the most elusive events.



Mixed signal means 16 digital channels to help you debug your  $\mu$ P,  $\mu$ C, ADC, FPGAs and more.



Real-time hardware-based serial decode for I<sup>2</sup>C, SPI, CAN, LIN, FlexRay, and RS-232/UART.

## Key specifications

|                    |   |
|--------------------|---|
| <b>Bandwidth</b>   | 100 MHz, 300 MHz, 500 MHz and 1 GHz models  |
| <b>Channels</b>    | 2-ch, 4-ch, 2 analog +16 digital, 4 analog +16 digital  |
| <b>Sample rate</b> | 2 GSa/s (100-300 Mhz), 4 GSa/s (500 Mhz-1 Ghz)  |
| <b>Memory</b>      | 8 Mpts standard   |
| <b>Display</b>     | High-definition display with XGA resolution, 256 levels of intensity and 100,000 waveform/sec update rate   |
| <b>Triggering</b>  | dge, pulse width, pattern, V, duration, sequence, serial bus (I <sup>2</sup> C, SPI, CAN, LIN, and FlexRay) |

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## Order the mixed-signal oscilloscope (MSO) to add 16 digital timing channels to any 2- or 4-channel scope

### Oscilloscope models

| Model           | Bandwidth | Sample rate | Analog channels | Price (US\$)        |
|-----------------|-----------|-------------|-----------------|---------------------|
| DSO / MSO 6012A | 100 MHz   | 2 GSa/s     | 2               | \$4,720 / \$6,774   |
| DSO / MSO 6014A | 100 MHz   | 2 GSa/s     | 4               | \$5,748 / \$7,802   |
| DSO / MSO 6032A | 300 MHz   | 2 GSa/s     | 2               | \$6,970 / \$9,020   |
| DSO / MSO 6034A | 300 MHz   | 2 GSa/s     | 4               | \$8,917 / \$10,967  |
| DSO / MSO 6052A | 500 MHz   | 4 GSa/s     | 2               | \$8,917 / \$12,813  |
| DSO / MSO 6054A | 500 MHz   | 4 GSa/s     | 4               | \$11,089 / \$14,375 |
| DSO / MSO 6102A | 1 GHz     | 4 GSa/s     | 2               | \$11,787 / \$15,068 |
| DSO / MSO 6104A | 1 GHz     | 4 GSa/s     | 4               | \$13,632 / \$16,913 |

### Options and accessories

| Model  | Description                             | Price (US\$) |
|--------|---|--------------|
| BAT    | Battery-power option                    | CALL*        |
| N2916B | Rackmount kit                           | \$668        |
| N2914A | DSO to MSO upgrade for 100 MHz, 300 MHz | \$2,054      |
| N2915A | DSO to MSO upgrade for 500 MHz, 1 GHz   | \$3,288      |

### Applications

| Model      | Description   | Price (US\$) |
|------------|---|--------------|
| AMS/N5424A | CAN/LIN automotive triggering and decode (4 and 4+16 channel)                           | CALL*        |
| LSS/N5423A | I <sup>2</sup> C/SPI serial decode option (for 4/4+16 channel models only)              | \$1,021      |
| FRS/N5432A | FlexRay automotive triggering and decode (4 and 4+16 channel models)                    | CALL*        |
| 232/N5457A | RS-232/UART triggering and decode (4 and 4+16 channel models only and required VPT1000) | \$1,250      |
| N5406A     | FPGA dynamic probe for Xilinx (MSO models only)   | CALL*        |
| N5434A     | FPGA dynamic probe for Altera (MSO models only)   | \$1,535      |
| B4610A     | Offline viewing and analysis of MSO/DSO data on a PC                                    | \$500        |
| U1881A     | Power measurement and analysis application  | \$1,500      |
| SGM/N5454A | Segmented memory  | \$1,250      |

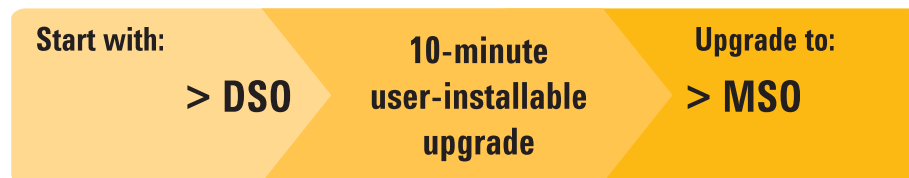
\* Call your distributor from current US pricing.

### Recommended probes

| Model    | Description   | Price (US\$) |
|----------|---|--------------|
| 1146A    | 100 kHz current probe, AC/DC                            | \$713        |
| N2772A*  | 20 MHz/1.2 kV differential probe                        | \$759        |
| 10070C   | 1:1, 20 MHz passive probe                               | \$170        |
| 10076A   | 100:1, 4 kV, 250 MHz high-voltage probe                 | \$314        |
| N2783A** | 100 MHz/30 A current probe, AC/DC                       | \$2,660      |
| 1147A    | 50 MHz/15 A current probe, AC/DC                        | \$2,255      |
| 1141A*** | 200 MHz differential probe                              | \$2,688      |
| 1156A    | 10:1 active probe, 1.5 GHz                              | \$2,336      |
| 1130A    | InfiniiMax active probe - choose one or more probe head | \$2,825      |
| 1144A*   | 10:1 active probe, 800 MHz                              | \$1,026      |

\* Requires N2773A power supply. \*\* Requires N2779A power supply. \*\*\* Requires 1142A power supply.

### The only scope that grows with your needs and budget



For more information on this and other Agilent scopes please visit <http://agilent.testequity.com>

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