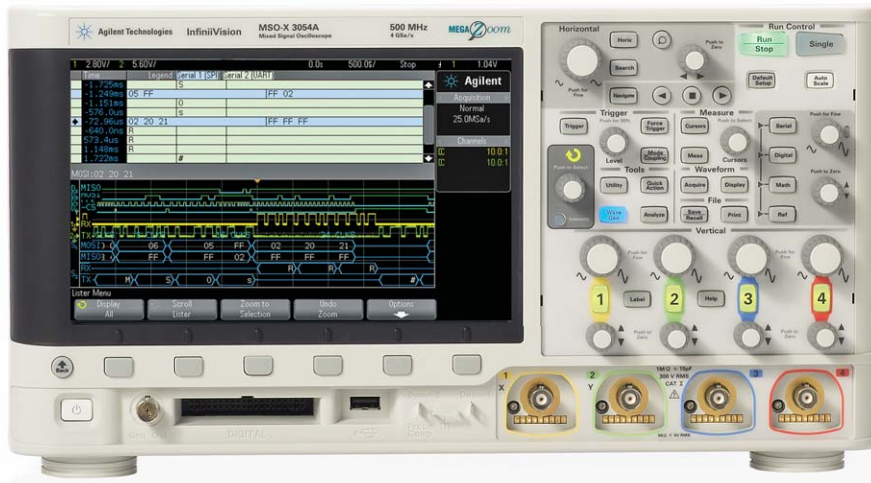
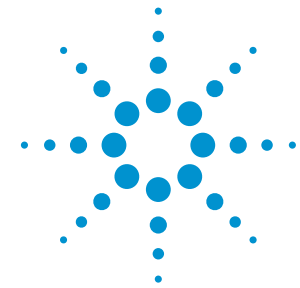
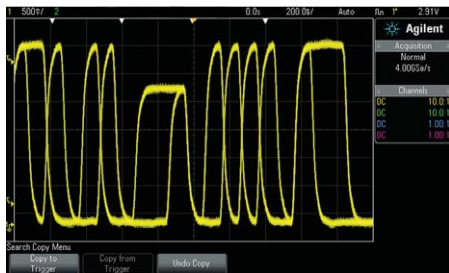


Agilent InfiniiVision 3000 X-Series



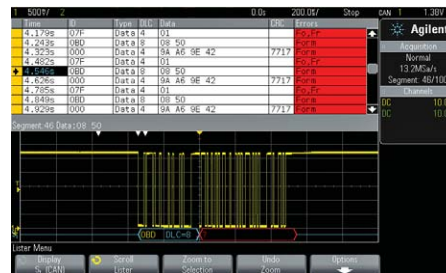
Oscilloscopes redefined:
Breakthrough technology delivers
more scope for the same budget



See more

of your signal more of the time

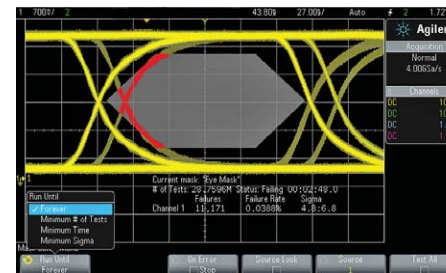
- High resolution 8.5-inch display
- Up to 1,000,000 wfms/s update rate
- Fast, responsive *MegaZoom IV* deep memory, up to 4 M



Do more

with the power of 5 instruments in 1

- Best-in-class oscilloscope
- Integrated 16 digital channel mixed signal oscilloscope (MSO) (optional)
- Serial protocol analyzer (optional)
- Industry-exclusive WaveGen built-in 20 MHz Function/Arbitrary WaveForm Generator (optional)
- Integrated digital voltmeter (optional)



Get more

investment protection with the industry's
only fully upgradable scope

- Upgradable bandwidth
- Upgradable to MSO
- Upgradable to WaveGen 20 MHz Function/Arbitrary Waveform Generator
- Upgradeable integrated digital voltmeter
- Upgradeable measurement applications
- 2-year recommended calibration interval

| Key specifications | |
|----------------------|--|
| Bandwidth | 100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz |
| Channels | 2 or 4 analog channels (DSO) +16 digital channels (MSO) |
| Sample rate | Up to 5 GSa/s |
| Memory | Up to 4 Mpts (2 Mpts standard) |
| Display | 8.5-inch WVGA (800 x 480) |
| Update rate | 1,000,000 wfms/s |
| Upgradable | Bandwidth, MSO, measurement applications, integrated digital voltmeter and WaveGen |
| Warranty | Standard 3-year |
| Calibration interval | 2 year |
| Connectivity | USB host (one front, one back), USB device, LAN (optional), GPIB (optional) |
| Secure environment | Provides compliance with NISPOM chapter 8 requirements (standard) |



Quick Fact Sheet

Agilent InfiniiVision 3000 X-Series

Oscilloscope models

| Model | Bandwidth | Maximum sample rate | Maximum memory | Analog channels | Digital channels |
|-----------|-----------|---------------------|----------------|-----------------|------------------|
| DSOX3012A | 100 MHz | 4 GSa/s | 4 M | 2 | – |
| MSOX3012A | 100 MHz | 4 GSa/s | 4 M | 2 | 16 |
| DSOX3014A | 100 MHz | 4 GSa/s | 4 M | 4 | – |
| MSOX3014A | 100 MHz | 4 GSa/s | 4 M | 4 | 16 |
| DSOX3024A | 200 MHz | 4 GSa/s | 4 M | 4 | – |
| MSOX3024A | 200 MHz | 4 GSa/s | 4 M | 4 | 16 |
| DSOX3032A | 350 MHz | 4 GSa/s | 4 M | 2 | – |
| MSOX3032A | 350 MHz | 4 GSa/s | 4 M | 2 | 16 |
| DSOX3034A | 350 MHz | 4 GSa/s | 4 M | 4 | – |
| MSOX3034A | 350 MHz | 4 GSa/s | 4 M | 4 | 16 |
| DSOX3052A | 500 MHz | 4 GSa/s | 4 M | 2 | – |
| MSOX3052A | 500 MHz | 4 GSa/s | 4 M | 2 | 16 |
| DSOX3054A | 500 MHz | 4 GSa/s | 4 M | 4 | – |
| MSOX3054A | 500 MHz | 4 GSa/s | 4 M | 4 | 16 |
| DSOX3102A | 1 GHz | 5 GSa/s | 4 M | 2 | – |
| MSOX3102A | 1 GHz | 5 GSa/s | 4 M | 4 | 16 |
| DSOX3104A | 1 GHz | 5 GSa/s | 4 M | 4 | – |
| MSOX3104A | 1 GHz | 5 GSa/s | 4 M | 4 | 16 |

Accessories included

| | | | | | | | | | |
|--|--|---|--|---|--|---|--|--|--|
| Standard 3 year warranty | | | | | | | | | |
| Standard SEC mode (Secure Environment), Certificate of Calibration, Documentation CD | | | | | | | | | |
| Standard probe | <table border="1"> <tbody> <tr> <td>N2862A passive probe 150 MHz 10:1 attenuation</td> <td>1 per channel included 100 MHz models</td> </tr> <tr> <td>N2863A passive probe 300 MHz 10:1 attenuation</td> <td>1 per channel included 200 MHz models</td> </tr> <tr> <td>N2890A passive probe 500 MHz 10:1 attenuation</td> <td>1 per channel included 350/500 MHz models</td> </tr> <tr> <td>N6450-60001 16 digital channel MSO cable</td> <td>1 per scope included on all MSO models, DSOX3MSO and DSOXPERFMSO</td> </tr> </tbody> </table> | N2862A passive probe 150 MHz 10:1 attenuation | 1 per channel included 100 MHz models | N2863A passive probe 300 MHz 10:1 attenuation | 1 per channel included 200 MHz models | N2890A passive probe 500 MHz 10:1 attenuation | 1 per channel included 350/500 MHz models | N6450-60001 16 digital channel MSO cable | 1 per scope included on all MSO models, DSOX3MSO and DSOXPERFMSO |
| N2862A passive probe 150 MHz 10:1 attenuation | 1 per channel included 100 MHz models | | | | | | | | |
| N2863A passive probe 300 MHz 10:1 attenuation | 1 per channel included 200 MHz models | | | | | | | | |
| N2890A passive probe 500 MHz 10:1 attenuation | 1 per channel included 350/500 MHz models | | | | | | | | |
| N6450-60001 16 digital channel MSO cable | 1 per scope included on all MSO models, DSOX3MSO and DSOXPERFMSO | | | | | | | | |
| Built-in help language support for English, Japanese, simplified Chinese, traditional Chinese, Korean, German, French, Spanish, Russian, Portuguese and Italian | | | | | | | | | |
| Interface language support GUI menus: English, Japanese, simplified Chinese, traditional Chinese, Korean, German, French, Spanish, Russian, Portuguese and Italian | | | | | | | | | |
| Localized power cord | | | | | | | | | |

Technical data, availability and pricing subject to change without notice.
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5990-6678EN

Measurement options

| Model | Description |
|------------------------|---|
| DSOX3MemUp | Memory upgrade - 4 M |
| DSOX3MSO | MSO upgrade, 16 channel for 500 MHz models and below |
| DSOXPERFMSO | MSO upgrade, 16 channels for 1 GHz models |
| DSOX3WAVEGEN | Function/Arbitrary Waveform Generator upgrade |
| DSOXDVM | Integrated Digital Voltmeter |
| DSOX3MASK | Mask limit testing |
| DSOX3ADVMATH | Advanced waveform math functions |
| DSOX3VID | HDTV video triggering and measurement analysis |
| DSOX3PWR | Power measurement and analysis (Embedded in the scope) |
| DSOX3AERO | Aerospace triggering and analysis (MIL-STD 1553, ARINC 429) |
| DSOX3SGM | Segmented memory |
| DSOX3EMBD | Embedded serial triggering and analysis (I ² C, SPI) |
| DSOX3COMP | Computer serial triggering and analysis (RS232/422/485/UART) |
| DSOX3AUTO | Automotive serial triggering and analysis (CAN, LIN) |
| DSOX3FLEX | FlexRay triggering and analysis |
| DSOX3AUDIO | Audio serial triggering and analysis (I ² S) |
| 33503A | Benchmark Waveform Builder Pro and Basic |
| DSOXEDK | Educator's oscilloscope training kit |
| DSOX3BW24 | Bandwidth upgrade from 100 MHz to 200 MHz on 4 channel models |
| DSOX3BW32 ¹ | Bandwidth upgrade from 100 MHz to 350 MHz on 2 channel models |
| DSOX3BW34 ¹ | Bandwidth upgrade from 200 MHz to 350 MHz on 4 channel models |
| DSOX3BW52 | Bandwidth upgrade from 350 MHz to 500 MHz on 2 channel models |
| DSOX3BW54 | Bandwidth upgrade from 350 MHz to 500 MHz on 4 channel models |
| DSOX3BW12 | Bandwidth upgrade from 500 MHz to 1 GHz on 2 channel models |
| DSOX3BW14 | Bandwidth upgrade from 500 MHz to 1 GHz on 4 channel models |
| Opt SEC ² | Secure Environment Mode (comes standard) |

1. Requires return to Agilent Service Center. All other products are licensed and customer installable.
2. Included standard with oscilloscope at no extra charge.

Probing options

For complete list of compatible probes, see Agilent document 5968-8153EN

| Model | Description |
|-------------|---|
| N2862B | Passive probe 150 MHz 10:1 attenuation (1 per channel included 100 MHz models) |
| N2863B | Passive probe 300 MHz, 10:1 attenuation (1 per channel included 200 MHz models) |
| N2890A | Passive probe 500 MHz, 10:1 attenuation (1 per channel included 350/500 MHz and 1 GHz models) |
| N6450-60001 | 16 digital channel MSO cable (1 per scope included MSO models, DSOX3MSO and DSOXPERFMSO upgrades) |
| N2889A | Passive probe 350 MHz 10:1/1:1 switchable attenuation |
| 10076B | Passive probe 250 MHz 100:1 attenuation |
| N2771B | Passive probe 50 MHz 1000:1 attenuation |
| N2790A | Differential active probe 100 MHz ±1.4 kV with AutoProbe interface |
| N2791A | Differential active probe 25MHz ±700 V |
| N2792A | Differential active probe 200 MHz ±20 V |
| N2793A | Differential active probe 800 MHz ±15 V |
| 1146A | AC/DC current probe 100 kHz 100 A |
| 1147A | AC/DC current probe 50 MHz 15 A with AutoProbe interface |
| N2795A | Single-ended active probe 1 GHz ±8 V with AutoProbe interface (limit 2) |
| 1157A | Single-ended 2.5 GHz with AutoProbe interface |
| N2893A | AC/DC current probe 100 MHz 15 A with AutoProbe interface |
| N2744A | T2A (Tektronix TekProbe interface to Agilent AutoProbe) probe interface adapter |

Accessories

| Model | Description |
|----------|------------------------------------|
| DSOXLAN | Module - LAN and VGA |
| DSOXGPIB | Module - GPIB |
| N6456A | Rack mount kit |
| N6457A | Soft carrying case and front cover |
| N6458A | Hard copy manual |
| N2747A | Front panel cover only |

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