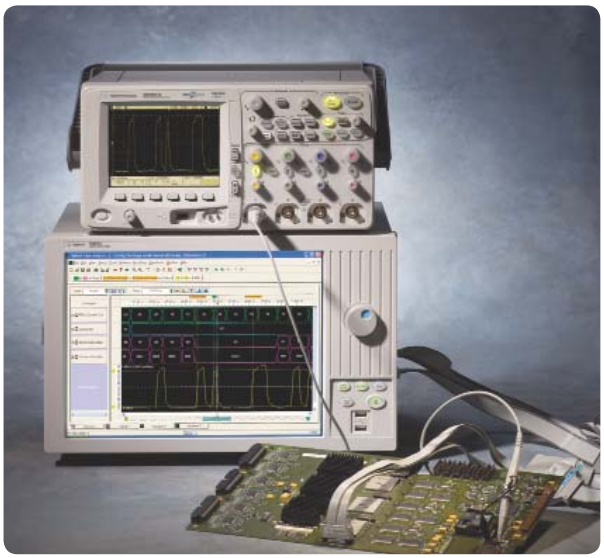
View Scope Logic Analyzer and Oscilloscope Correlation

Data Sheet



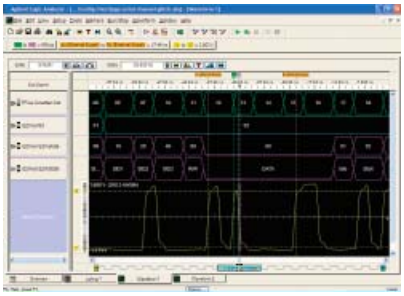
Unleash the complementary power of a logic analyzer and an oscilloscope

Easily make time-correlated measurements between Agilent Technologies' logic analyzers and oscilloscopes with View Scope. The time-correlated logic analyzer and oscilloscope waveforms are integrated into a single logic analyzer waveform display for easy viewing and analysis. Trigger the oscilloscope from the logic analyzer (or vice versa). Automatically de-skew the waveforms and maintain marker tracking between the two instruments. Perform the following more effectively:

- Validate signal integrity
- Track down problems caused by signal integrity
- Validate correct operation of A/D and D/A converters
- Validate correct logical and timing relationships between the analog and digital portions of a design

Feature	Benefit
Automated setup	Quickly get to your first measurement using the logic analyzer's help wizard for easy setup, regardless of which supported Agilent oscilloscope you connect to.
Integrated waveform display	Instantly validate the logical and timing relationships between the analog and digital portions of your design. View oscilloscope and logic analyzer waveforms integrated into a single logic analyzer waveform display.
Automatic measurement de-skew	Save time and gain confidence in measurement results with measurements that are automatically de-skewed in time.
Cross trigger the logic analyzer and oscilloscope	Start your debug approach from either the analog or digital domain with the flexibility to trigger the oscilloscope from the logic analyzer (or vice versa).
Tracking markers	Precisely relate information on the oscilloscope's display to the corresponding point in time on the logic analyzer display with tracking markers. The oscilloscope's time markers automatically track adjustments of the logic analyzer's global markers.
Sampling clock synchronization to 10 MHz signal	Maintain measurement accuracy even when viewing the waveforms at long delay settings. Synchronizing the sampling clocks of the logic analyzer and oscilloscope keeps the measurement tightly time-correlated across the entire acquisition.

Agilent Technologies



Instantly validate the logical and timing relationships between the analog and digital portions of your design by viewing analog and digital waveforms integrated into a single logic analyzer display.

Connection

The Agilent logic analyzer and oscilloscope can be physically connected with standard BNC and LAN connections. Two BNC cables are connected for cross triggering, and the LAN connection is used to transfer data between the instruments. The View Scope correlation software is included free of charge in the Agilent 16900 Series, 16800 Series, 1680 and 1690 Series logic analyzers with OS version 3.70 or higher and the U4154A logic analyzer. The View Scope software includes:

- An easy-to-use interface and setup wizard
- Ability to manually adjust skew between instruments
- Ability to import some or all of the captured oscilloscope waveforms
- Oscilloscope waveforms are auto scaled to fit in the logic analyzer display row

Compatible logic analyzers and oscilloscopes

Agilent logic analyzers

16900 Series modular logic analysis systems	16900A, 16901A, 16902A, 16902B, 16903A
16800 Series logic analyzers	16801A, 16802A, 16803A, 16804A, 16806A, 16821A, 16822A, 16823A
1680 Series standalone logic analyzers	1680A, 1680AD, 1681A, 1681AD, 1682A, 1682AD, 1683A, 1683AD
1690 Series PC-hosted logic analyzers	1690A, 1690AD, 1691A, 1691AD, 1692A, 1692AD, 1693A, 1693AD
AXIe-based logic analyzers	U4154A

Agilent oscilloscopes

Infiniium DSO90000 Series	DSO91304A, DSO91204A, DSO90804A, DSO90604A, DSO90404A, DSO90254A
Infiniium DSO80000 Series	DSO81304A, DSO81204A, DSO81004A
Infiniium 8000 Series	DSO8064A, DSO8104A, MSO8064A, MSO8104A
InfiniiVision 7000 Series	DSO7012A, DSO7014A, DSO7032A, DSO7034A, DSO7052A, DSO7054A, DSO7104A, MSO7012A, MSO7014A, MSO7032A, MSO7034A, MSO7052A, MSO7054A, MSO7104A
InfiniiVision 6000 Series	DSO6032A, DSO6034A, DSO6052A, DSO6054A, DSO6102A, DSO6104A, MSO6032A, MSO6034A, MSO6052A, MSO6054A, MSO6102A, MSO6104A
InfiniiVision 5000 Series	DSO5012A, DSO5014A, DSO5032A, DSO5034A, DSO5052A, DSO5054A

Agilent Email Updates

www.agilent.com/find/emailupdates
Get the latest information on the products and applications you select.

www.agilent.com

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

www.agilent.com/find/contactus

Product specifications and descriptions in this document subject to change without notice.

Printed in USA, March 24, 2011
5989-4646EN

Agilent Technologies