

Agilent Technologies E5850A Logic Analyzer/Oscilloscope Time Correlation Fixture



Figure 1. The Agilent time correlation fixture enables you to make time-correlated measurements between a logic analyzer and a scope.



Unleash the Complementary Power of a Logic Analyzer and a Scope

Easily make time-correlated measurements between an Agilent 16700 Series logic analysis system and an Infiniium 54800 Series oscilloscope. With the E5850A time correlation fixture, you can trigger the Infiniium from the logic analyzer (or vice versa), automatically deskew the waveforms, and simultaneously view the Infiniium waveforms and the logic analyzer's timing waveforms on your Agilent 16700 Series.

You can also perform the following more effectively:

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



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Easy Time Correlation Between Your Logic Analyzer and Scope

The Agilent E5850A time correlation fixture works in conjunction with the Agilent 16700 Series logic analysis systems and any Agilent Infiniium 54800 Series oscilloscope to deliver the following features.

Automatic Deskew

Measurements between the logic analyzer and Infiniium oscilloscope are automatically deskewed in time. This saves you time and gives you confidence in the measurement results.

Combined Waveform Display

The 16700 Series logic analysis system displays simultaneously both its timing analyzer waveforms and the Infiniium oscilloscope waveforms. This enables you to instantly view timing relationships across analog and digital domains.

Global Markers

The global markers in the 16700 Series system can be used to time correlate all measurements made in the logic analyzer and Infiniium oscilloscope.

Tracking Markers

The Infiniium oscilloscope's time markers track the global markers in the 16700 Series logic analysis system. This enables you to view a waveform in greater detail on the oscilloscope's display, or measure a voltage level using the oscilloscope's voltage markers, to correlate information on the oscilloscope's display precisely to corresponding information on the logic analyzer display.

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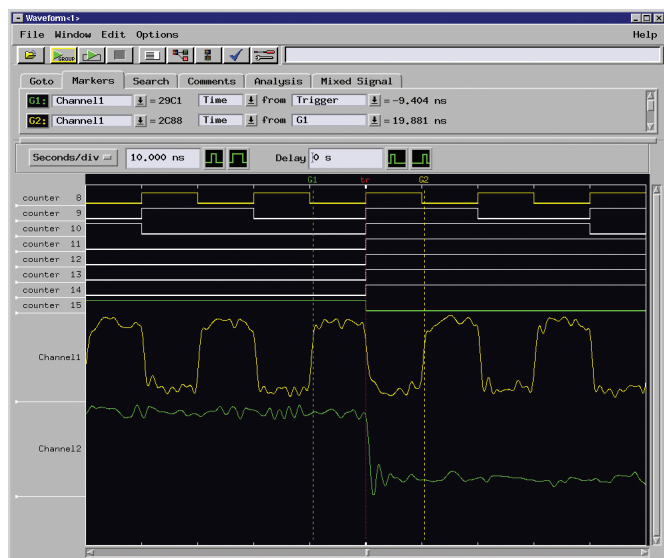


Figure 2. Instantly view timing relationships across analog and digital domains.



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