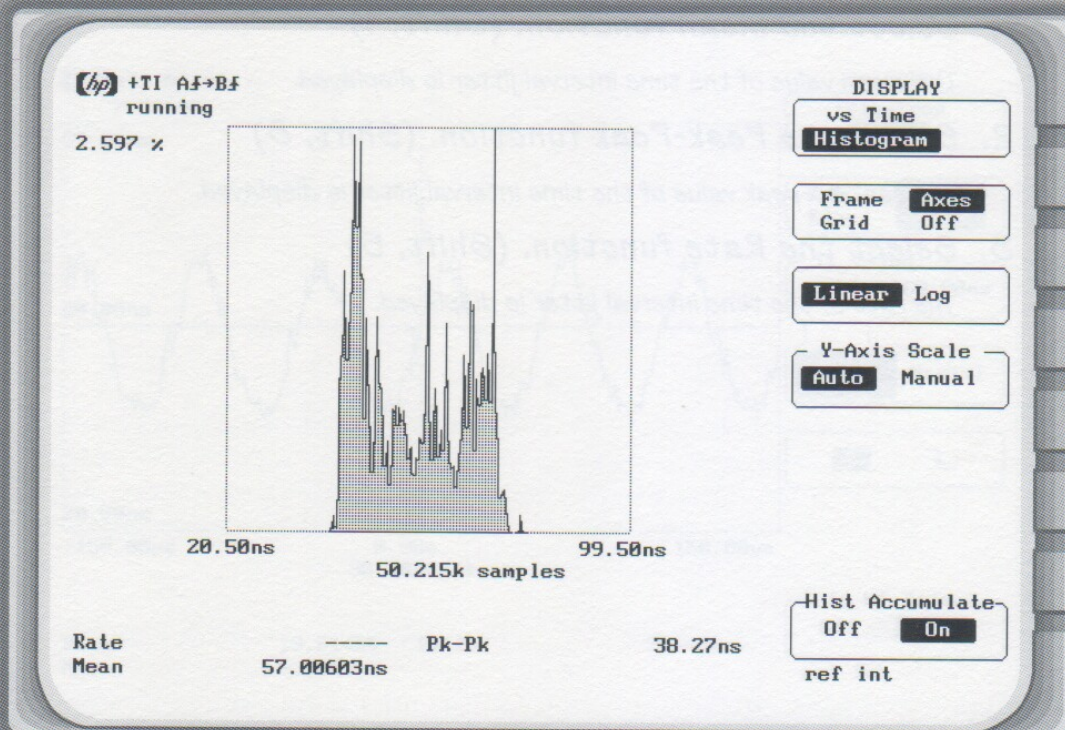


Display the Jitter Data in a Histogram



Follow the steps on the next page to produce the display shown above.

Histograms are a very useful tool for analyzing jitter. The Analyzer offers two types of histograms. One is a histogram constructed from the data first collected for the “vs. Time” display. (The “vs. Time” display is the only display type shown in this guide, up to this point.) The Histogram from “vs. Time” (shown in the display above) is most useful when you want to toggle from the “vs. Time” display to a histogram display, and back. It provides a quick view of the measurement distribution using the same data as the “vs. Time” display. You can collect data from multiple acquisitions by using the histogram accumulate feature. The second type of histogram is demonstrated in the next procedure.

The histogram above is constructed from the data that is first acquired based on the configuration of the “vs. Time” display. The time/div setting on the Timebase menu helps determine how many samples will be collected for each display update.

The vertical axis of the histogram is labeled with a percentage value. Any column of the histogram (individual columns are one screen pixel wide) reaching the top of the display will contain the specified percentage of the entire measurement sample size.

Data-to-Clock Jitter

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