

Rapidly Pinpoint Problems with Drag-and-Drop Markers

Find the source of a functional problem quickly by placing a marker on it's occurrence(s) in the lister, and using time-correlated global markers to find the exact spot of the occurrence(s) in the waveform display.

Drag-and-drop markers and marker windows make time-interval measurements easy. Simply drag the marker across the data and drop it where you want; then just read the time or number of states value from the marker window. Other windows let you place markers on occurrence(s) of patterns or read out data values.

Each display has two local markers and two global markers. Global markers provide time-correlation across multiple displays. Local markers act as extra resources for measurements specific to the local display.

Multiple, Sizable Windows

The HP 16505A frees you from the limitations of a single menu interface. You can view data across multiple windows simultaneously. Each window is sizeable up to the entire breadth of your display at SVGA resolution.

Timing waveforms can be individually sized and colored so you can recognize important channels at a glance. You can even size the timing diagrams down to 6 point size to capture a broad view of system activity. Bus values can also be displayed.

State listing windows can be sized to the maximum screen dimensions. The data text size can be globally varied. Labels can be dynamically re-ordered.

Both the histogram and chart displays feature dynamic re-sizing using the mouse pointer. Simply drag the mouse across the area you want to view in more detail and the window automatically re-scales the viewing area for you. Use the right mouse button to 'short cut' back to the previous scaling.

Simultaneously View Events that Occur Seconds Apart

See both the cause and the result of the problem by using the HP 16505A multiple, time-correlated windows to view timing events that occur seconds apart. For example, you can view as many time windows in the waveform record as you want by just connecting additional waveform tools to the appropriate instrument.

Each instrument tool can support multiple display tools. You can examine your data using as many displays as necessary to make the measurement. The HP 16505A frees you from need to switch from menu to menu to trace down an elusive problem.

Use Post-Processing to Find the Answers in Real-World Data

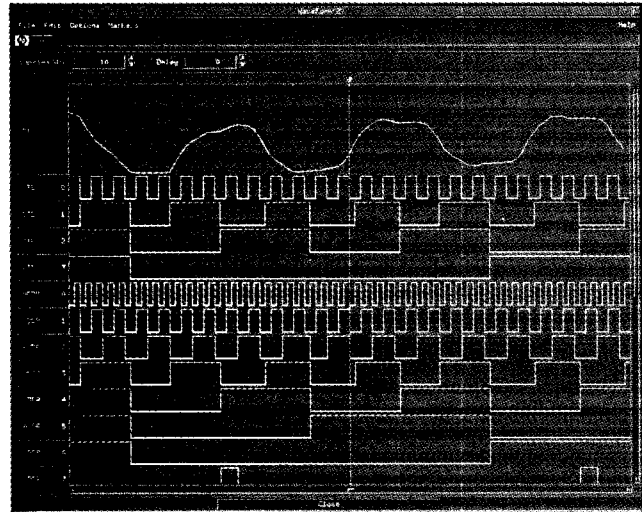
See just the data values you want using the HP 16505A pattern filter tool. Use the pattern filter on the data bus so you can see just the data values that correspond to a variable value.

The pattern filter is placed between the source of the measurement data and one or more display tools. It enables you to filter the data going to the display tool, so you can see just the data of interest.

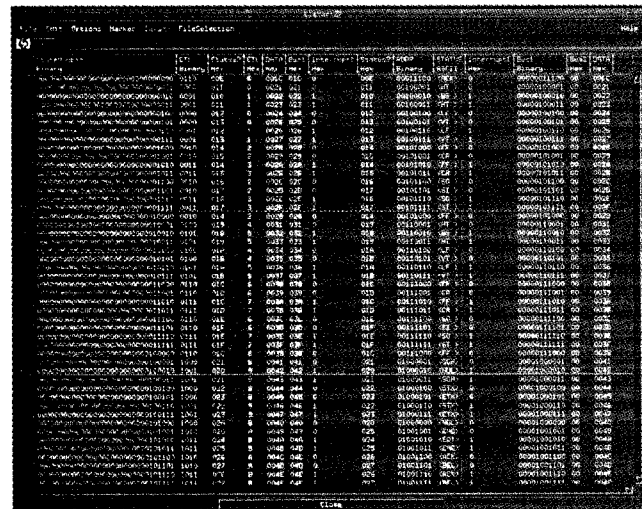
The flexible architecture of the HP 16505A also allows you to view data both before and after filtering. You can even cascade pattern filters to get to just the data you want. In all cases, the data is time-correlated.

The pattern filter can be used with any instrument tool from analog to state analysis. The outputs of two pattern filters can be combined to create unique displays using the X-Y chart display tool. For instance, you can track the value of a variable across time or only when certain conditions are valid.

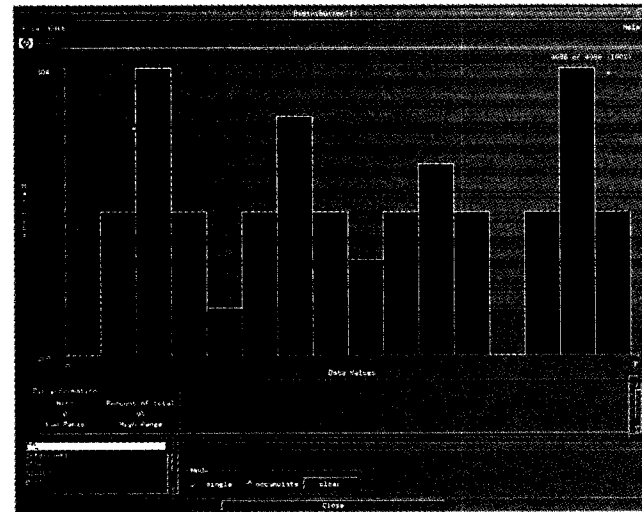
Use the file out tool to conduct proprietary data analysis by directing the output of pattern filters to a local or remote file system.



The waveform display allows you to instantly size, re-order or assign color to any signal.



Simultaneously view binary, bus and inverse-assembled state data (not shown here).



Analyze your system from multiple viewpoints, such as chart, simultaneously.

