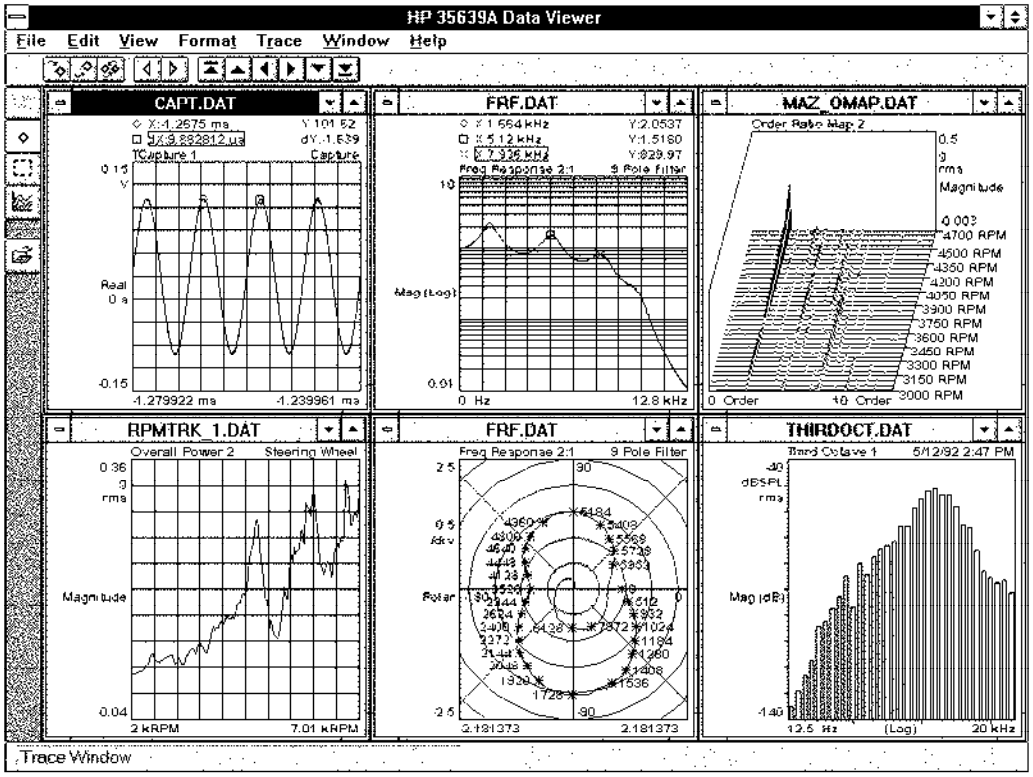
HEWLETT PACKARD

HP 35639A Data Viewer

Product Overview

- **View, format, and store measurement data on your PC**
- **Examine data with markers and versatile display formats**
- **Create effective reports and presentations in less time**
- **Give everyone in your organization easy access to all stored test results**
- **Use Standard Data Format (SDF) instrument files and other file formats**

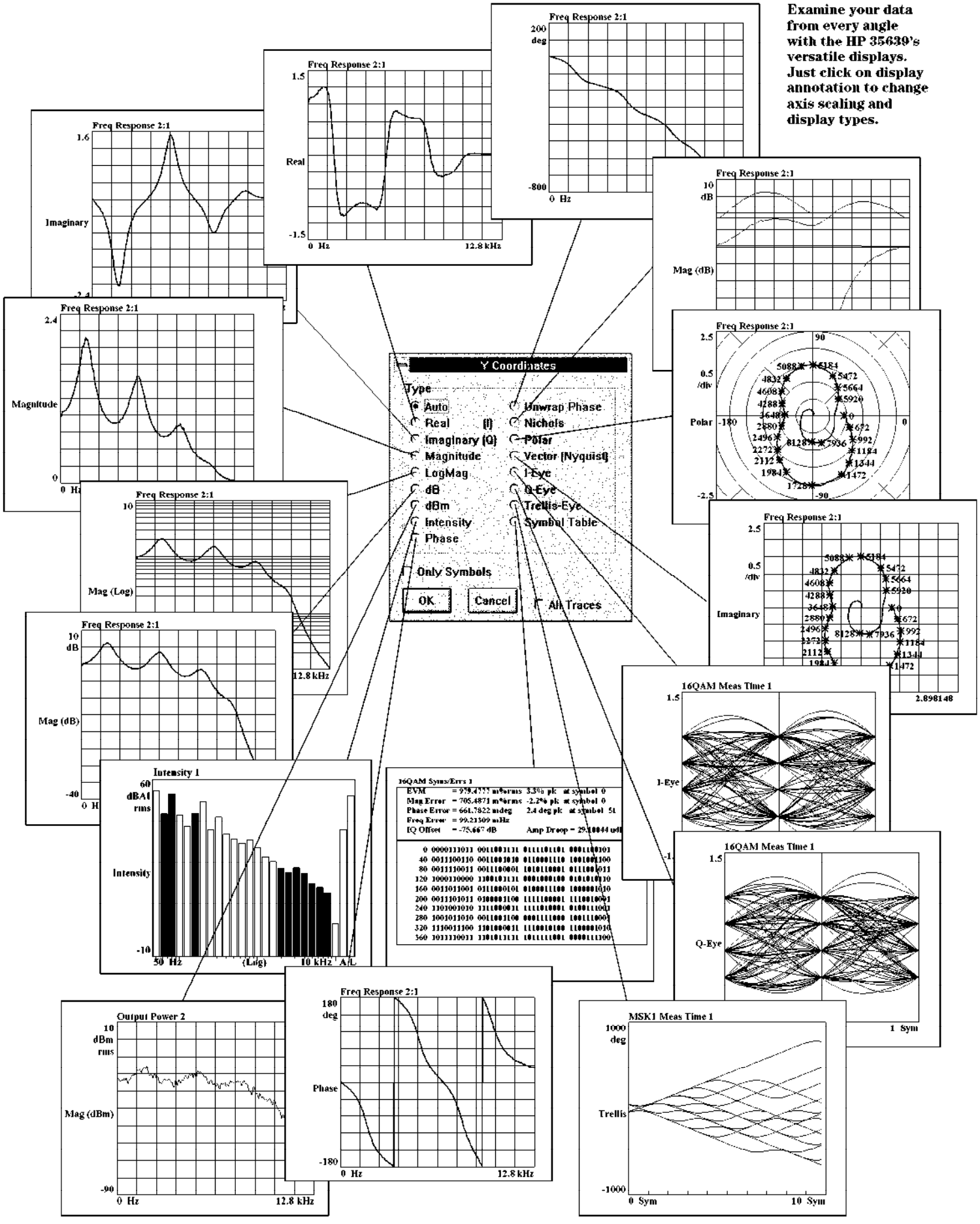
Increase the Value of Your Measurement Results



The HP 35639A Data Viewer helps you transform measurement data into manageable information. By moving data from your analyzers to the PC environment, the Data Viewer provides full access to Windows software for creating reports, examining, and storing results.

Plus, making test results available on a LAN means that anyone who needs to can access the results as easily as loading a file from the server. You'll get more value from the same data.

Examine your data from every angle with the HP 35639's versatile displays. Just click on display annotation to change axis scaling and display types.



Examine results faster and more effectively

The HP 35639A Data Viewer opens a new realm of reporting and presentation options. Moving data from instruments to a PC lets you take full advantage of Microsoft ® Windows display features. Quickly browse through data files. Overlay and compare traces from different measurement sessions and even different instruments. Sort, annotate, and catalog test results. Do the things you need to do with your data, in less time and with fewer headaches.

A versatile set of display types lets you examine data in detail. From basic magnitude and phase displays to Nyquist, polar, or waterfall displays, you can display data in just about any way imaginable. Plus, you can use absolute and relative markers to pick off exact values.

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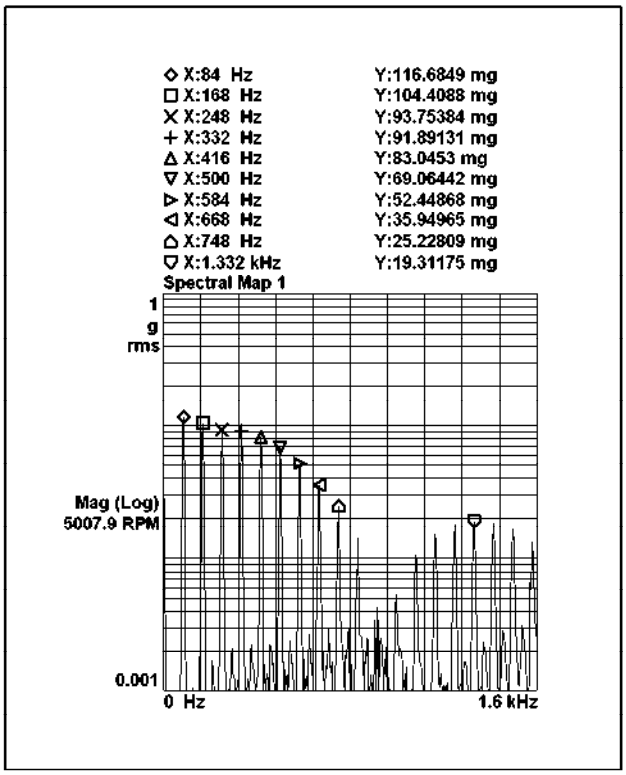
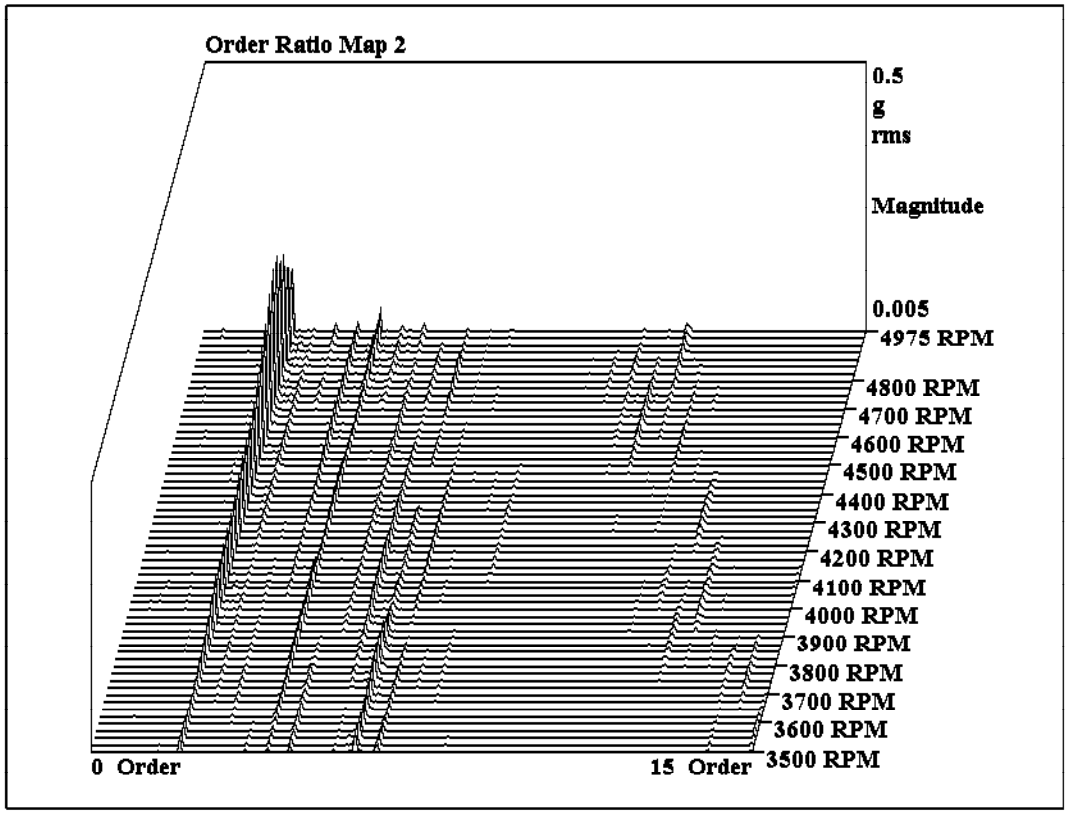
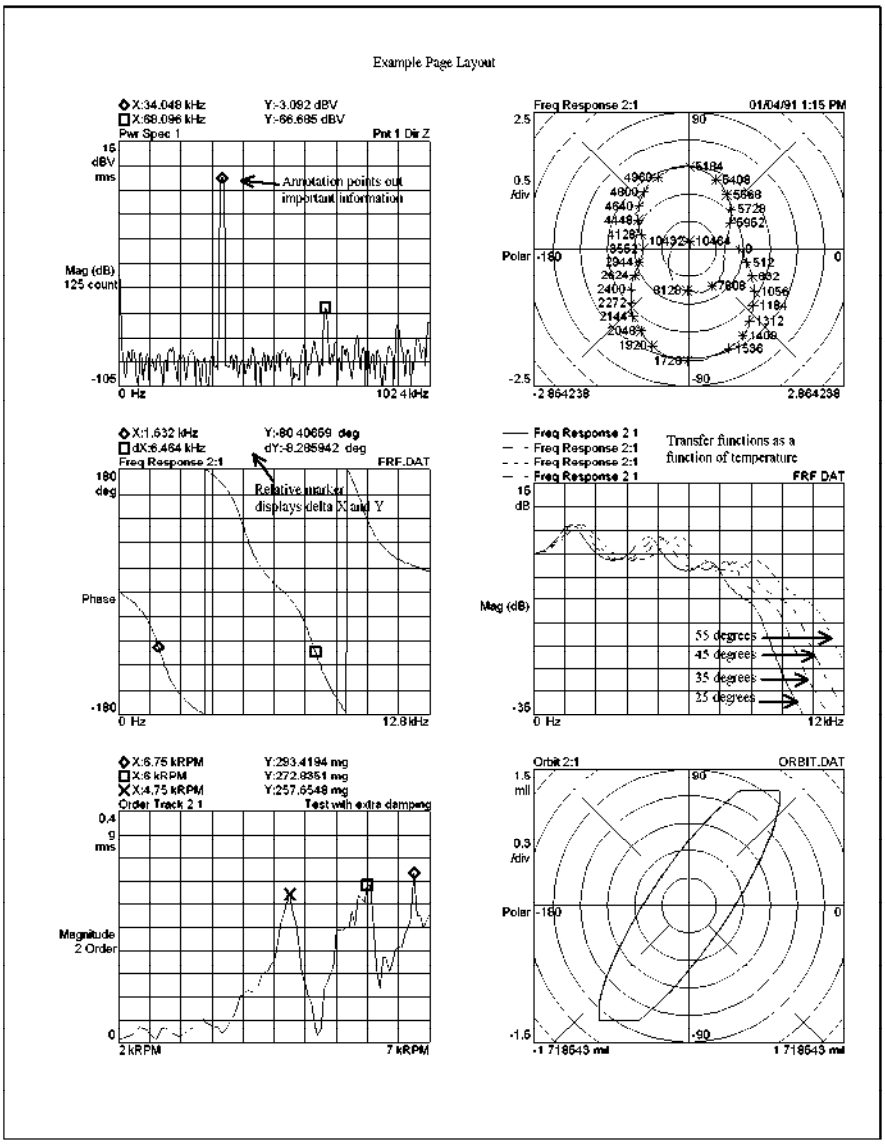


Automatic peak picking makes data analysis fast. Search for up to ten peaks and display them in order.



Map displays show how signals change with time or RPM. Z-axis annotation helps correlate changes with RPM.

Simplify reporting and presentation



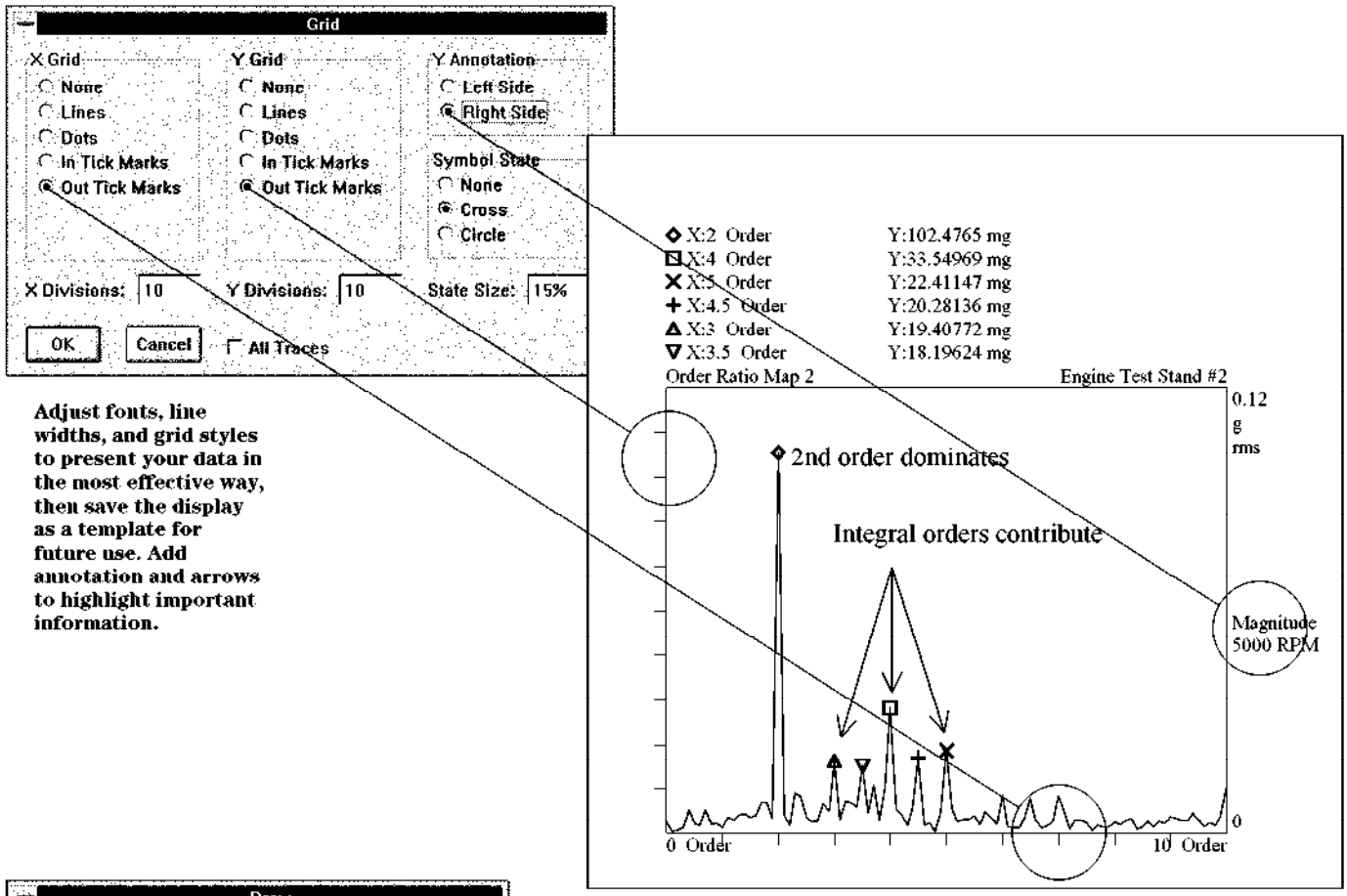
Use the page mode to create custom, multi-display pages with user-annotation. Page layouts can be saved as templates for automated batch-printing or plotting of old or new measurement data.

For most test engineers and technicians, making measurements is only part of the job. You also have to report, present, document, and archive your results. And when you're dealing with multiple instruments and multiple audiences, the job is that much more complicated.

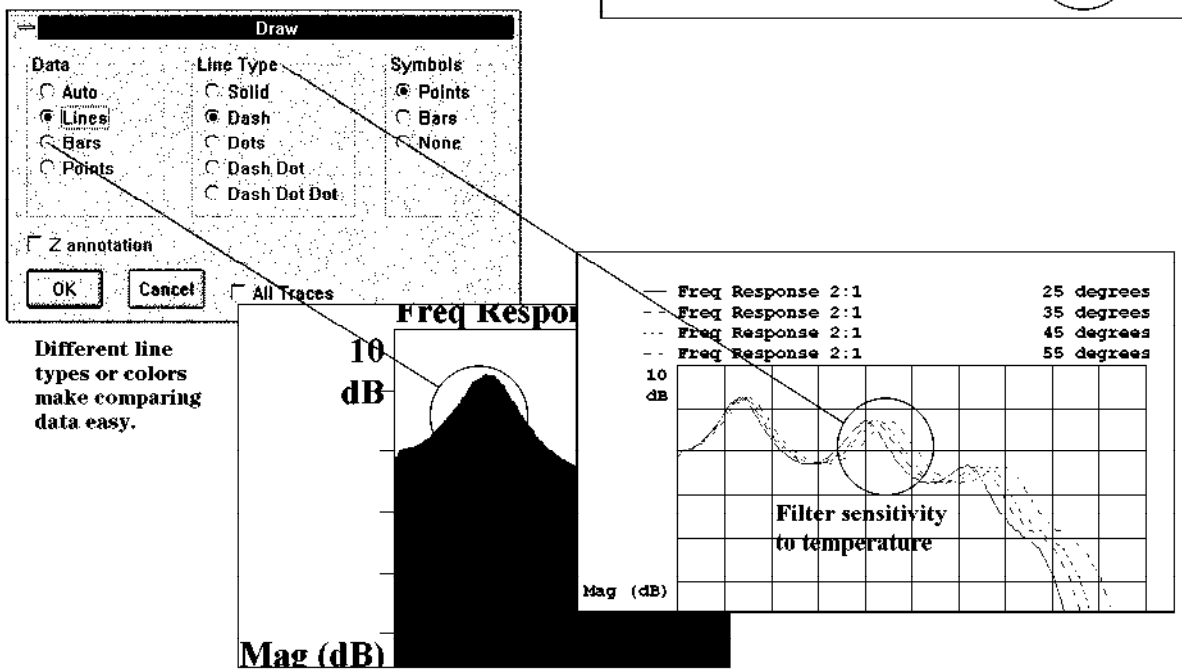
The HP 35639A Data Viewer lets you use any SDF measurement results in any Windows program that accepts data or graphics. Format pages and reports just the way you want – adapt the data to fit your reporting needs, rather than the other way around. Change line widths, colors, fonts, and grid styles. Put as many traces on a page as you need and add text, titles, dates and other information to make your reports more useful.

You'll get a productivity boost from the Data Viewer's page templates. Once you've established standard report formats, use the templates to regenerate identical reports whenever you acquire new data.

The HP 35639A also increases productivity by freeing up more time on your analyzers, since you won't need to tie them up just to view stored data.



Adjust fonts, line widths, and grid styles to present your data in the most effective way, then save the display as a template for future use. Add annotation and arrows to highlight important information.



Different line types or colors make comparing data easy.

Improve communication by sharing data

Sharing measurement results with colleagues or clients is an important part of most tests. The HP 35639A makes sharing measurements as easy as sharing any PC file. You can imagine how useful this is in LAN environments in particular, where you and your associates can quickly pull up any measurements stored on the system.

In addition, file conversions to ASCII and MATLAB, make it easy to transfer data to other application programs.

Immortalize your data
The HP 35639A keeps your data alive even if the original instrument is no longer available. As long as the data files were saved in SDF, you still have access to every measurement you made. When you replace or upgrade your instrument collection, you don't have to worry about losing your valuable data from older instruments. In addition, the ability to compare data from a mix of different instruments easily and quickly will boost your analysis productivity.

Simplify your archiving tasks
How many different kinds of files, plots, and printouts do you have stuffed in filing cabinets? Think of the time you'd save if you archived measurements in standard report or plot formats using PC file storage conventions. The HP 35639A Data Viewer will streamline your archives by making it easy to design and use standard formats for record-keeping. With these page templates, you establish a layout that meets your archiving needs, then simply pull new data into the page every time you make a measurement. You'll be assured that the data you saved last year will be easy to compare with data you save next year.

Product Features

Products and data formats supported by the HP 35639A
HP 3560A (via SDF Utilities)
HP 3562A
HP 3563A
HP 3566A
HP 3567A
HP 35665A
HP 35670A
HP 3569A (via SDF Utilities)
HP 3587S
HP 3588A (via SDF Utilities)
HP 3589A (via SDF Utilities)
HP 89410A
HP 89440A
HP 89441A
HP VEE (Time waveform and spectrum record data sets)
ASCII (.TXT and .CSV)
MATLAB (export only)

Y Coordinates
Real
Imaginary
Magnitude
Log magnitude
dB
dBm
Intensity
Phase
Unwrapped phase
Nyquist
Nichols
Polar

Data communications
I-Eye
Q-Eye
Trellis-Eye
Symbol table
Error vector magnitude
Phase error
Vector diagram
Constellation diagram

X Coordinates
Log
Linear

Scaling
Autoscale
Fixed scale

Y Units
Peak
Peak to peak
RMS
EU
EU^2
$EU/\sqrt{Hz}$
EU^2/Hz
EU^2Sec/Hz

X Units
Hz
RPM
Time
Instrument dependent

Marker types (10 maximum)
Absolute
Relative
Peak search

Display types
Single trace
Overlaid traces
Waterfall

Adjustable display attributes
Trace font
User font
Colors
Trace line
Marker line
Grid line
User line

Windows clipboard support
Copy data
Copy graphics
(Windows Metafile - vector)
Copy bitmap
(Windows/OS2 Bitmap - raster)

System requirements
Windows 3.1
MS DOS ® 5.0 or higher
386 or higher
4 Mbytes RAM
4 Mbyte hard disk space
VGA display
Mouse

Printed 7/94
5962-9499E