

Using PI660 software with the 6000 makes data visualization easy

Real-time data displays

Twelve display types provide the operator a choice of ways to visualize real-time and played-back test data. Most types display up to 10 parameters with individual trace color selection. The tabular display type shows up to 32 parameters. Most display types can use selected colors to indicate alarm readings.

By virtue of the Component Module DLL, PI660's displays are available from within user applications written in Visual Basic, Labview or other Window's compatible languages.

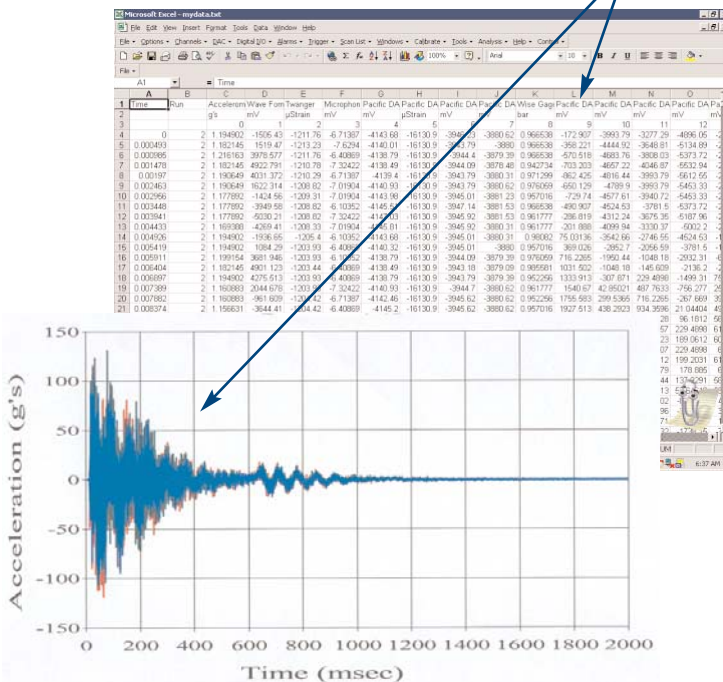
Display Types Include:

- Tabular
- Strip chart
- XY chart
- Bitmap picture with data points
- Oscilloscope
- Spectrum
- Digital I/O display
- Plot against predetermined target
- Dynamometer (target tracking)
- Bar chart
- 3D waterfall

The screenshot shows the PI660 software interface with several callout boxes pointing to different features:

- Tabular display, choice of alarm/background colors:** Points to a table of parameters.
- Multi-parameter oscilloscope:** Points to a waveform display.
- FFT with cursor and peak reading:** Points to a frequency spectrum plot.
- Waterfall with variable geometry:** Points to a 3D waterfall plot.
- Bitmap picture with data and alarm indication:** Points to a 3D model of a mechanical part.
- Limit display and visualization:** Points to a bar chart with colored segments.

Export to DPLLOT, DADiSP, Excel or other third-party or proprietary analysis and plotting tools



Export to other applications

PI660 includes an export engine that formats and saves data for use by third-party analysis software. Some of the export formats include:

- ASCII
- Binary Data Exchange
- PULSE
- DPLLOT
- DADiSP
- GRASP
- Universal File Format (UFF 58)

The Binary Data Exchange format is easily imported by most applications that accept binary data and is the fastest way to move data to an analysis or other third-party application. The format consists of an ASCII header, containing all of the setup and calibration information followed by binary data. PI660 includes sample programming for using the Binary Data Exchange format.