



DASYLab®

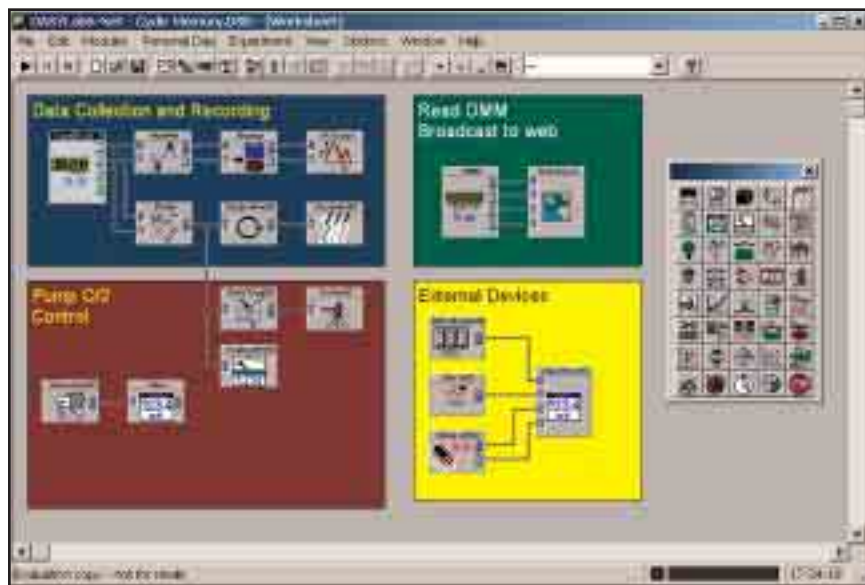
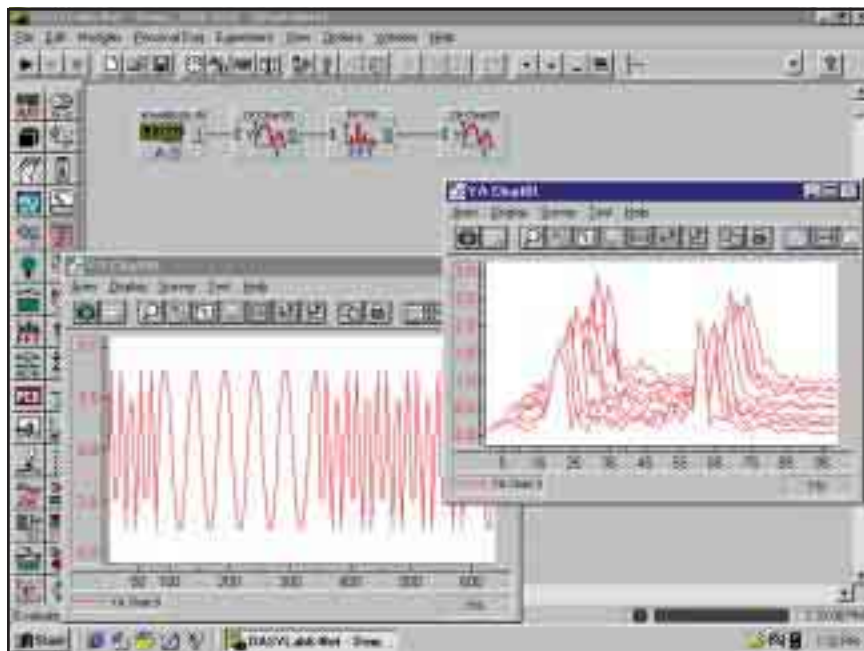
Icon-based Data Acquisition, Graphics, Control, & Analysis Software



DASYLab® picks up where DaqView™ and WaveView™ leave off, letting you interactively develop PC-based data acquisition applications by simply attaching functional icons. DASYLab offers real-time analysis, control, and the ability to create custom graphical user interfaces (GUIs). What's more, in contrast to other graphical programming environments, which can require weeks of training to master, DASYLab has a very short user-learning curve. Many applications can be configured in a few minutes, rather than days or weeks.

Extensive Hardware Support

DASYLab supports all of IOtech's data acquisition hardware, as well as a host of hardware from over 20 vendors. There is a wide variety of I/O capabilities to choose from, such as analog, digital, counter/timer, IEEE 488, RS-232, and DDE, plus any I/O device that is supported by an OPC (OLE for Process Control) driver. DASYLab/Full also includes IVI drivers (Interchangeable Virtual Instruments) for scopes, DMMs, and function generators.



Effortless Setup

To set up an application, simply drop the desired icons on your worksheet. Connecting all your icons together requires very little effort — simply click and drag them together or drag the output box of one functional icon (e.g., DBK8™) to the input box of another functional icon (e.g., statistics).

Supported Hardware





DASYLab[®] Software

Custom, Real-Time Data Display

DASYLab provides a comprehensive selection of real-time display format capabilities for easy development of custom displays. DASYLab's display formats include:

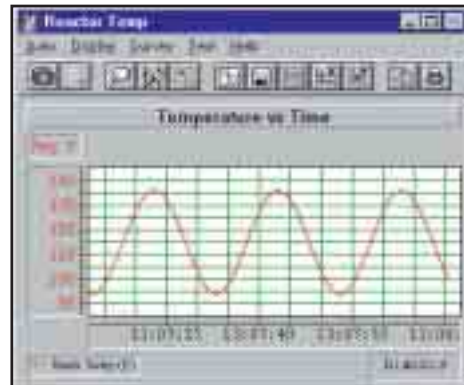
- Chart recorders
- Analog & digital meters
- Bar graphs
- Y/t & X/Y charts
- Status lamps
- Lists

You also have your choice of a host of other features such as limit and trend indicators and the ability to zoom and scroll waveforms, plus display overlapping traces and waterfall plots.

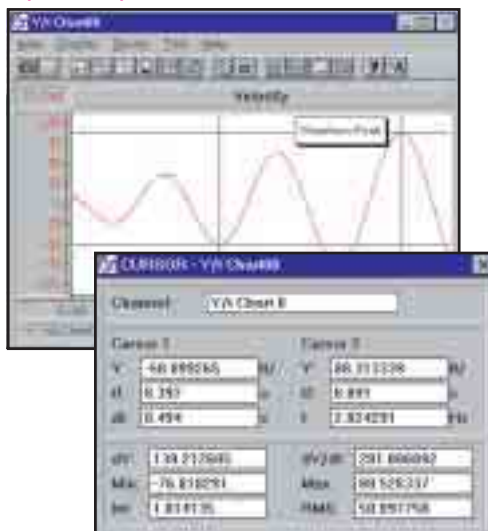
Analog Meters



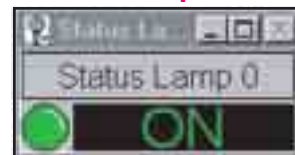
Chart Recorders



Y/t & X/Y Charts



Status Lamps



Bar Graphs



Digital Meters



Powerful, Real-Time Data Analysis and Control

DASYLab includes a wide range of real-time data analysis and control functions for easy development of custom applications. DASYLab's analysis function groups include:

- Mathematics
- Statistics
- Signal analysis
- Data reduction
- Control

Within these groups, there are specific modules for performing FFTs, Digital Filtering, Polynomial and Linear Regression, Logical Operations, and much more. These modules all have simple set up with point and click configuration, allowing complex calculations to be set up in seconds.



Fast Fourier Transform Module



Formula Module



Digital Filter Module