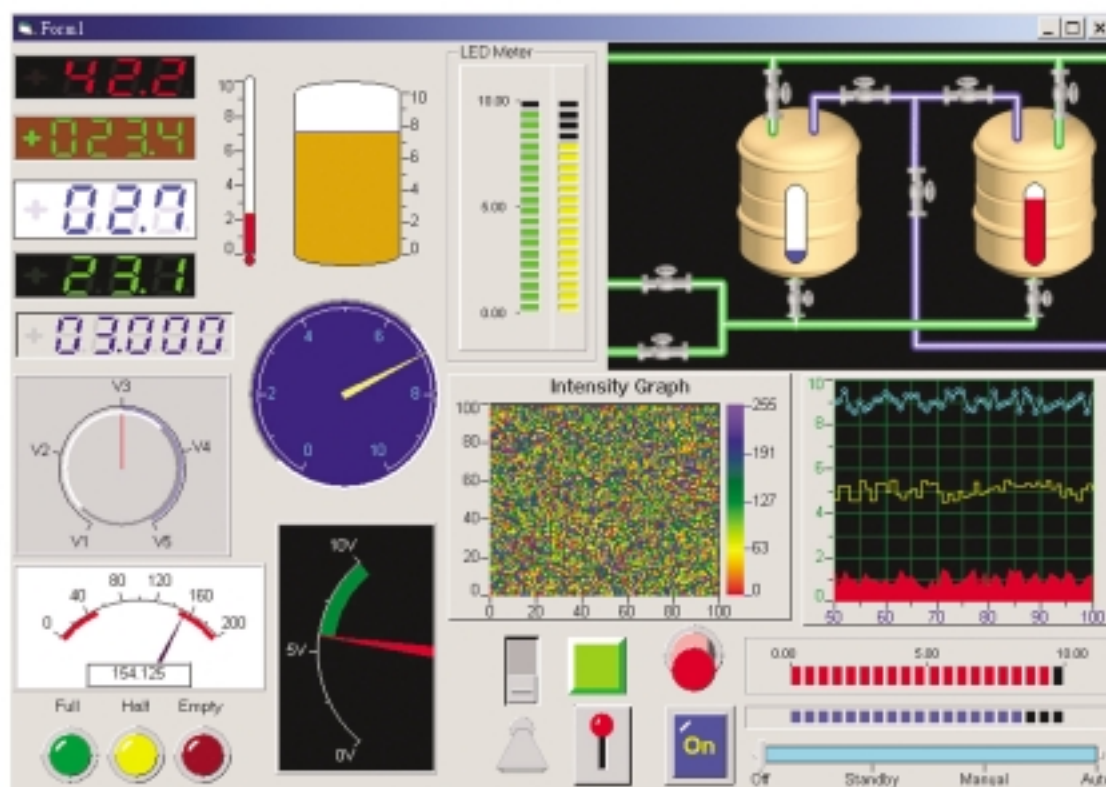


# DAQBench

## 32-bit ActiveX Controls for Measurement and Automation



### Features

- 32-bit ActiveX controls for measurement and automation
- Easy-to-use property page interface for configuration
- Friendly user interface controls including meters, knobs, switches, slides, LEDs, seven-segment display, graphs and charts
- Powerful analysis library including statistics, vector, complex, matrix, FFT, etc.
- Works with any ActiveX control container, including Visual Basic, Borland Delphi, Visual C++, and Borland C++ Builder, etc.
- OPC Client for easy programming to link OPC server
- Automatically link Excel and update the data of cells in sheet
- Window snapshot of application using Internet browser to remote monitoring
- Database access via ODBC
- DDE Client for easy programming to link DDE/NetDDE server
- Thermocouple object support
- Alarm handling and logging
- Automatic data logging
- Real-time and historical trending
- Data and alarm reporting
- More than 100 examples

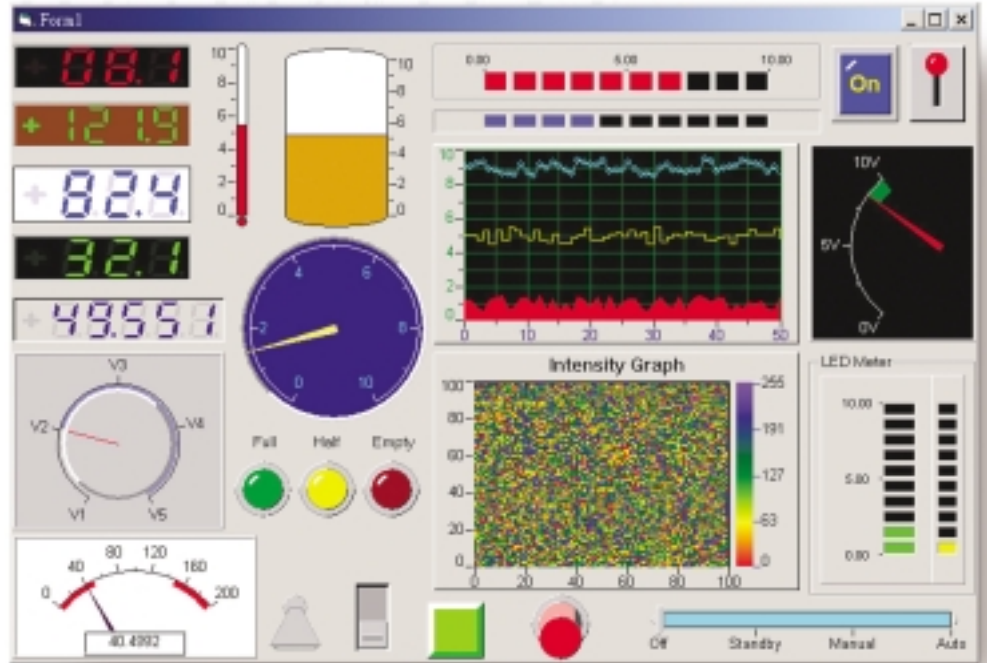
### 32-bit ActiveX Controls for Visual Programming

DAQBench is 32-bit ActiveX controls for measurement and automation. DAQBench leverages the latest Microsoft 32-bit ActiveX control technology, the standard for code interchangeability and integration under Win-32 environment. With DAQBench, programmers can take advantage of the easy-to-use development tools such as Visual Basic and Delphi to build their own applications. Within these development tools, ActiveX controls deliver an easy-to-use property page interface for configuration; flexible events and methods for programmatic control. But ActiveX controls are not limited to Visual Basic and Delphi. You can use DAQBench controls within any ActiveX control container, such as Visual C++, Borland C++ Builder, Excel, Microsoft Internet Explorer, and much more.

# Functions Overview

## User Interface Controls

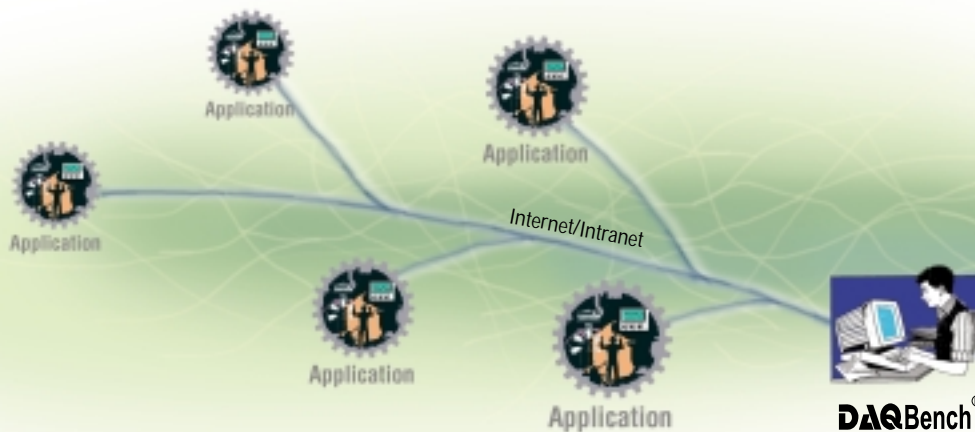
Measurement or automation applications have special user interface requirements that can not be met by the standard Visual Basic or Delphi user interface objects. DAQBench User Interface controls are designed to meet the special functionality requirements of measurement and automation applications. DAQBench provides plenty of controls for building your screen. The sliders, knobs, meters, thermometer, switches are provided for you to build the front panel interface. Also DAQBench includes the chart and graph controls for you to display the data acquired from data acquisition devices.



## Device Integration (DDE/NetDDE/OPC)

Most of the popular measurement and control devices come with OPC server or DDE server. This includes Allen-Bradley, Omron, Modicon, National Instruments and many others. DAQBench is capable of being an OPC or DDE client for use with any OPC or DDE server. Every DAQBench User Interface control has DDE client capability that can link to a DDE server. DAQBench OPC Client control can connect to any measurement or automation device that comes with an OPC DA (Data Access) server.

By taking advantage of the networking capability of NetDDE or OPC, DAQBench applications are capable of control the remote devices through the network.



# Functions Overview

## SCADA/HMI

Whether you need to build a stand-alone Human Machine Interface (HMI), or a high channel count and distributed Supervisory Control and Data Acquisition (SCADA) system, the DAQBench SCADA/HMI component offers the functionality you need to quickly and easily develop your application.

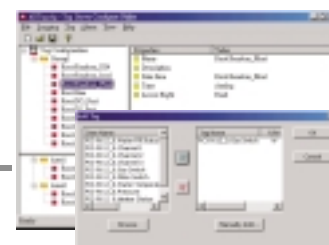
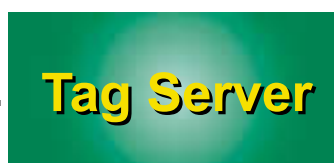
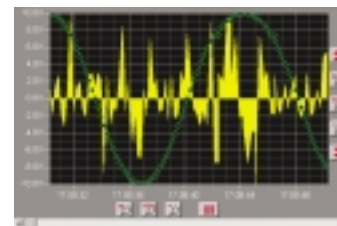
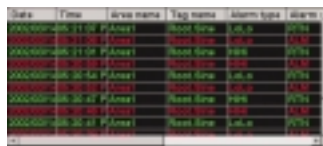
DAQBench SCADA/HMI component is an industrial automation software solution. It provides an easy-to-use Tag Configuration Utility for you to manage large count of data. The Tag Server, which is the heart of the DAQBench SCADA/HMI maintains the defined tags, including acquiring data, real-time data logging, and alarm management.

DAQBench SCADA/HMI component makes the implementing of data logging and monitoring applications easy. Whether you are collecting data from ADLINK data acquisition products, or PLCs, you



### ActiveX controls

DAQBench Trends, Alarms, Reports, Equipment, and User Interface controls allow you to quickly develop screens. In addition, linking to tags is through the use of easy interface window. You don't even need to write any program.



The Tag Server communicates with OPC servers (either local or remote), scales the data, logs historical data, and processes alarms.



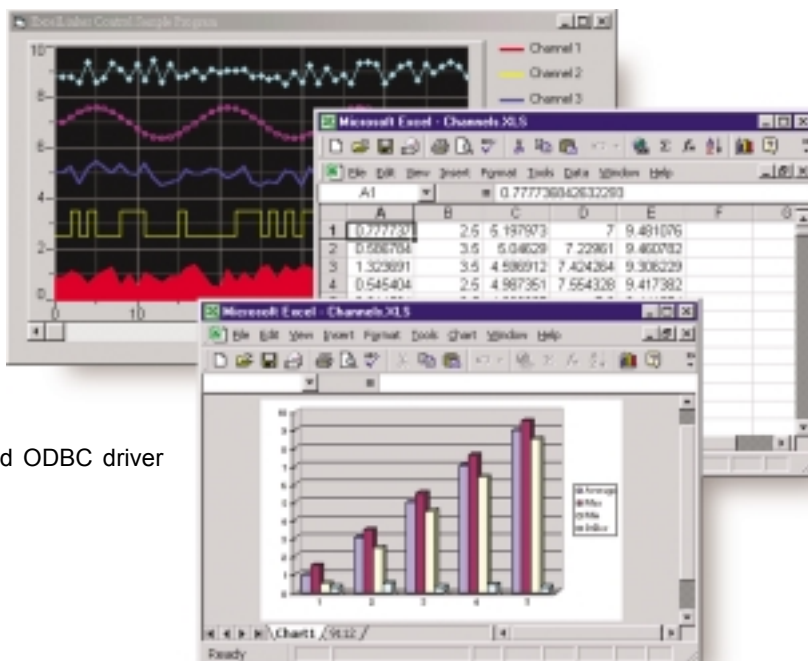
The Tag Config Utility configures all tags in the system. When you configure a tag, you define several properties for the tag, such as logging, scaling, and alarms.

just configure which data points you want to collect and then let the Tag Server to acquire and manage the data. The Real-time Trend, Alarm Display, and User Interface controls can link to tags with a easy-to-use

interface, let you view the real-time data and alarms. You can use Historical Trend to view the historical data in database. Reports control provides the data and alarm reporting function. It is so easy that you don't even need to write any program code.

## Excel and Database Integration

DAQBench includes an Excellinker control that let you directly export your acquired data to Excel documents. You can take advantage of the analysis, presentation, and report functions of Excel. The DAQBench DatabaseAccess controls allows you directly and easily access to all popular database from your application. This lets you store and retrieve your measurement results. Your database system can be Microsoft Access, SQL Server, Oracle, Sybase, or any other database system compatible with the industry-standard ODBC driver specification.





# Programming has never been so easy



## System Requirements

- Pentium-based PC with 133MHz or higher microprocessor
- 64 MB memory
- 20MB of free hard disk space
- Microsoft Windows 9x/NT/2000/XP operating system (Windows NT, version 4.0 is required with service pack 3)
- ActiveX control container such as Visual Basic (32-bit version), Visual C++, or Delphi (32-bit version)

## Ordering Information

### DAQBench

ActiveX Controls for Measurement and Automation

## The ActiveX Objects Support for ADLINK products

- The PCI/cPCI-bus Data Acquisition Cards - PCIS-OCX
- The Remote Data Acquisition Modules - NDS-OCX
- The High-Speed-Link Distribute Control System - HSL-OCX
- The PCI-8132/34/64 Motion Control Cards - MOTION-OCX



## User Interface Controls

<b>Boolean</b>										<b>Numeric</b>		
	Square Button	Square LED	Square Push Button	Round LED	Push Button	Round Button	Toggle Switch	Switch	Slide Switch		Seven-Segment Display	LED Meter
<b>Slide</b>							<b>Graph/Chart</b>					
	Wide Horizontal Slide	Wide Vertical Slide	Narrow Horizontal Slide	Narrow Vertical Slide	Tank	Thermometer		Waveform Graph	Waveform Chart	XY Graph	Intensity Graph	Intensity Chart
<b>Knob</b>												
	Knob	Gauge	Up Meter	Down Meter	Left Meter	Right Meter						

## Information Integration Controls

Excel Linker	Web Snapshot	Database Access	OPC Client	Thermocouple

## Analysis Control

Analysis Library

## SCADA/HMI Controls

### Equipment Diagram Controls

Motor Diagrams	Motor Diagrams	Pump Diagrams	Tank Diagrams	Valve Diagrams

### Alarm Controls

Alarm Display	Ack Button

### Trend Controls

Real-time Trend	Historical Trend

### Report Controls

Alarm Report	Data Report