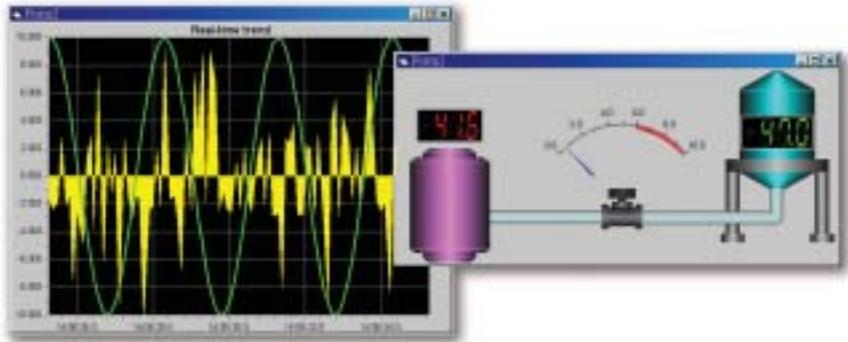


DAQBench® for SCADA/HMI Application

Base on the well-defined architecture, DAQBench provides plenty of ActiveX controls to help users building a powerful user interface, which includes:

1. **Real-time trend** - Automatically gather data from Tag Server and display the real-time data trend.
2. **Historical trend** - Retrieve and display data via the Microsoft .JET database.
3. **Alarm display** - Display alarm(s) issued from the Tag Server according to the specified conditions.
4. **Ack button** - Acknowledge alarm(s) manually.
5. **Data report** - Retrieve past data from database and display in a report format.
6. **Alarm report** - Retrieve past alarm(s) from database and display in a report format.
7. **Alarm reactor** - React when alarm(s) happen(s), behaviors including pop-up window, sending an e-mail, playing an audio file, and issuing a GSM short message.
8. **Tag control** - Directly read/write the corresponding I/O point.
9. **Equipment controls** - Some industrial symbols to build up HMI interface.
10. **User-interface controls** - Switch, knob, slide, 7-segment display and so on.



Time	Tag Name	Value	Alarm
2008/05/20 14:19:20.000	XX000002	1475.0000	
2008/05/20 14:19:30.000	XX000002	1475.0000	
2008/05/20 14:19:40.000	XX000002	1475.0000	
2008/05/20 14:19:50.000	XX000002	1475.0000	
2008/05/20 14:20:00.000	XX000002	1475.0000	
2008/05/20 14:20:10.000	XX000002	1475.0000	
2008/05/20 14:20:20.000	XX000002	1475.0000	
2008/05/20 14:20:30.000	XX000002	1475.0000	
2008/05/20 14:20:40.000	XX000002	1475.0000	
2008/05/20 14:20:50.000	XX000002	1475.0000	
2008/05/20 14:21:00.000	XX000002	1475.0000	
2008/05/20 14:21:10.000	XX000002	1475.0000	
2008/05/20 14:21:20.000	XX000002	1475.0000	
2008/05/20 14:21:30.000	XX000002	1475.0000	
2008/05/20 14:21:40.000	XX000002	1475.0000	
2008/05/20 14:21:50.000	XX000002	1475.0000	
2008/05/20 14:22:00.000	XX000002	1475.0000	
2008/05/20 14:22:10.000	XX000002	1475.0000	
2008/05/20 14:22:20.000	XX000002	1475.0000	
2008/05/20 14:22:30.000	XX000002	1475.0000	
2008/05/20 14:22:40.000	XX000002	1475.0000	
2008/05/20 14:22:50.000	XX000002	1475.0000	
2008/05/20 14:23:00.000	XX000002	1475.0000	
2008/05/20 14:23:10.000	XX000002	1475.0000	
2008/05/20 14:23:20.000	XX000002	1475.0000	
2008/05/20 14:23:30.000	XX000002	1475.0000	
2008/05/20 14:23:40.000	XX000002	1475.0000	
2008/05/20 14:23:50.000	XX000002	1475.0000	
2008/05/20 14:24:00.000	XX000002	1475.0000	
2008/05/20 14:24:10.000	XX000002	1475.0000	
2008/05/20 14:24:20.000	XX000002	1475.0000	
2008/05/20 14:24:30.000	XX000002	1475.0000	
2008/05/20 14:24:40.000	XX000002	1475.0000	
2008/05/20 14:24:50.000	XX000002	1475.0000	
2008/05/20 14:25:00.000	XX000002	1475.0000	
2008/05/20 14:25:10.000	XX000002	1475.0000	
2008/05/20 14:25:20.000	XX000002	1475.0000	
2008/05/20 14:25:30.000	XX000002	1475.0000	
2008/05/20 14:25:40.000	XX000002	1475.0000	
2008/05/20 14:25:50.000	XX000002	1475.0000	
2008/05/20 14:26:00.000	XX000002	1475.0000	
2008/05/20 14:26:10.000	XX000002	1475.0000	
2008/05/20 14:26:20.000	XX000002	1475.0000	
2008/05/20 14:26:30.000	XX000002	1475.0000	
2008/05/20 14:26:40.000	XX000002	1475.0000	
2008/05/20 14:26:50.000	XX000002	1475.0000	
2008/05/20 14:27:00.000	XX000002	1475.0000	
2008/05/20 14:27:10.000	XX000002	1475.0000	
2008/05/20 14:27:20.000	XX000002	1475.0000	
2008/05/20 14:27:30.000	XX000002	1475.0000	
2008/05/20 14:27:40.000	XX000002	1475.0000	
2008/05/20 14:27:50.000	XX000002	1475.0000	
2008/05/20 14:28:00.000	XX000002	1475.0000	
2008/05/20 14:28:10.000	XX000002	1475.0000	
2008/05/20 14:28:20.000	XX000002	1475.0000	
2008/05/20 14:28:30.000	XX000002	1475.0000	
2008/05/20 14:28:40.000	XX000002	1475.0000	
2008/05/20 14:28:50.000	XX000002	1475.0000	
2008/05/20 14:29:00.000	XX000002	1475.0000	
2008/05/20 14:29:10.000	XX000002	1475.0000	
2008/05/20 14:29:20.000	XX000002	1475.0000	
2008/05/20 14:29:30.000	XX000002	1475.0000	
2008/05/20 14:29:40.000	XX000002	1475.0000	
2008/05/20 14:29:50.000	XX000002	1475.0000	
2008/05/20 14:30:00.000	XX000002	1475.0000	

In addition, DAQBench 2.4 also provides a wide range of PLC support. The standard package of DAQBench for PLC includes OPC servers for the following hardware:

1. ADLINK NuDAQ PCI data acquisition card
2. ADLINK NuDAM remote data access module
3. ADLINK High Speed Link distributed I/O module
4. Mitsubishi A series PLC
5. Mitsubishi FX2 series PLC
6. Omron C series PLC
7. Allen Bradley SLC500 PLC
8. Facon FB series PLC
9. Modbus device
10. Modbus TCP device
11. M-System DCS

Why using DAQBench® ?

If you are developing a measurement application, DAQBench brings you :

1. **More flexibility** - Combining the ActiveX technology and programming languages, you can gain the maximal flexibility with the minimal programming effort.
2. **Best efficiency** - All applications using DAQBench will be compiled into a machine-code form, which implies you'll get the best performance when an application executes.
3. **Open and extensibility** - With the open ActiveX technology, you may insert any other controls cooperating with DAQBench to build up a powerful measurement application.

If you are developing a SCADA/HMI application, DAQBench offers you :

1. **Another easy way** - With DAQBench Tag Server, data gathering, data displaying, data/alarm logging and alarm notifying are automatically accomplished.
2. **Lower cost** - There is no limitation of I/O points in DAQBench.
3. **More flexibility** - You may add any function to your SCADA/HMI application, for example, add a video-monitoring feature to a building supervision application.
4. **Best efficiency** - With programming language and DAQBench, you can get the best execution efficiency which is far beyond the traditional SCADA/HMI software package.