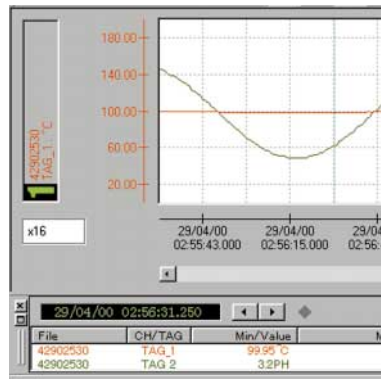


**DAQSTATION DX Series Software Package  
for the Pharmaceutical and Biotechnology Industries**

# DAQ-PharmBio

DAQ-PharmBio is a powerful PC software package for the DAQSTATION which has viewing and configuration functions designed specifically for pharmaceutical and biotechnology applications.



# DAQ-PharmBio Makes It Easy to Analyze Data from the DAQSTATION

## Main features

### Easy Operation

Many programs and functions easily accessible with a single mouse click on the toolbar. Operation is intuitive and easy.



### Modules

- A variety of user-friendly software modules in a single package.
- Data viewer module for playing back and displaying acquired data.
- Setting module for entering various settings.
  - It is possible to download and upload setting parameters through Ethernet, RS232C or RS422.

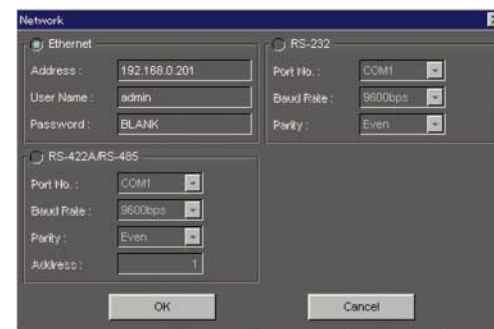
## Overview of Functions

### 1 Viewer Software

Graphically redisplay data acquired with External media, 3.5-inch floppy disk, ZIP disk (100MB), ATA Flash Memory Card (up to 160MB), on the DAQSTATION for analysis or conversion to another format. Overlapping display for detail analysis is available. The display of linking-up time sequential data files is available.

### 2 Network Setting Software

Set up a communication environment for the PC in order to send and receive setting parameters through a communication interface. (Ethernet, RS-422A/485, RS232C)



### 3 Hardware Configuration Software

Edit setting parameters on the DAQSTATION or exchange setup parameters between the PC and a connected DAQSTATION.

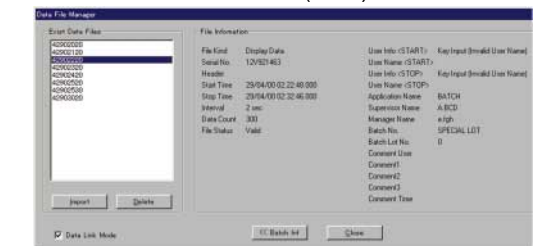
It is possible to transfer the parameters to or from the DAQSTATION via communication interface or external media.

## Viewer Software



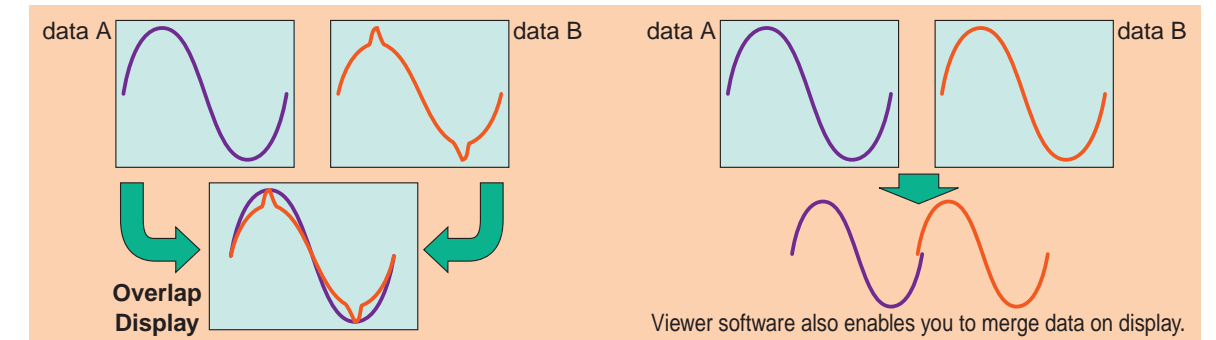
This software graphically redisplay data acquired with external media, 3.5-inch floppy disk, ZIP disk (100MB), ATA Flash Memory Card (160MB), on DAQSTATION for analysis or conversion to another format. Tasks, such as cursor-based overlap data display, output of waveform printouts, and data conversion, can be done easily with the mouse.

Batch/(BT1) file information



## Overlap Data Display Function by Viewer Software

This viewer has a function to overlap different data files on the same display. It is easy to compare acquired data with reference data.



## Hardware Configuration Software

CH	Mode	Delta/Scale/Sqrt	Range/Type	RefCh	Span
CH01	TC	OFF DELTA SCALE SQRT	TypeK	1	-2.0
CH02	VOLT	OFF DELTA SCALE SQRT	2V	1	-2.000
CH03	VOLT	OFF DELTA SCALE SQRT	2V	1	-2.000
CH04	RTD	OFF DELTA SCALE SQRT	R100	1	-2.0
CH05	TC	OFF DELTA SCALE SQRT	TypeF	1	-2.0
CH06	DI	OFF DELTA SCALE SQRT	LEVEL	1	-2
CH07	VOLT	OFF DELTA SCALE SQRT	2V	1	-2.000
CH08	VOLT	OFF DELTA SCALE SQRT	2V	1	-2.000
CH09	VOLT	OFF DELTA SCALE SQRT	2V	1	-2.000
CH10	VOLT	OFF DELTA SCALE SQRT	2V	1	-2.000

This software enables you to exchange configuration parameters between PC and DAQSTATION or edit the configuration. The configuration parameter can be saved on your hard disk, and the set up files can be used again later.

Furthermore, the ability to import/export configuration files (panels) on the DAQSTATION facilitates the editing of configuration parameters stored on floppy disks and the saving of new configuration parameters as a file.

## System Requirements

### ■ PC

- OS: Microsoft Windows 95/98 or Windows NT4.0.
- CPU: Pentium 166MHz MMX Processor or higher.  
(Pentium II 266MHz or higher recommended)
- RAM: Minimum 64 MB (128 MB or more recommended)
- Hard drive: Minimum 50MB free space
- Floppy drive: One 1.44 MB floppy drive ( for installing the software )
- Display: A display compatible with Windows 95/98 or Windows NT 4.0 is required.  
Minimum resolution: 800x600 (1024x768 recommended)  
Minimum color: 32,000 (65,536 recommended)
- Printer: A printer compatible with Windows 95/98 or Windows NT4.0 is required.
- Mouse: A mouse compatible with Windows 95/98 or Windows NT4.0 is required.

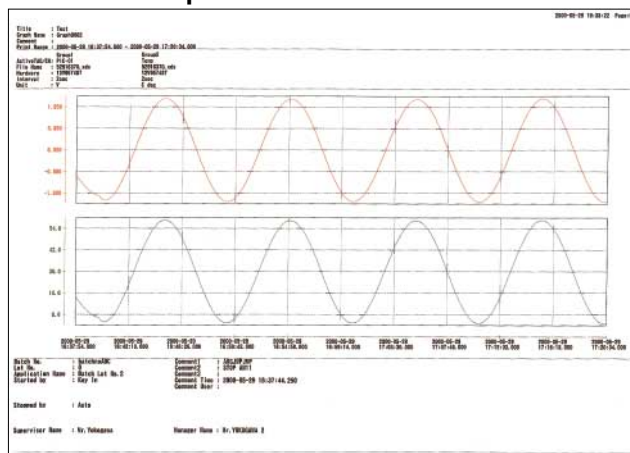
### ■ Model Code

Model	Description	OS
DXA310-021	DAQ-PharmBio	Windows 95/98, Windows NT4.0

## ■ Data Viewer Specification

- Readable file: Data file already saved to external media on DAQSTATION.
- Display format: Analog trend, digital values and overlap data display
- Data Conversion: Selectable from ASCII, Lotus 1-2-3 and Microsoft Excel format
- Printout: Printout of analog trend Batch Alarm, Message information and Graph information

### Printout example



```

Title : Test
Graph Name : Graph0002
Comment :
Print Range : 2000-05-29 16:37:54.000 - 2000-05-29 17:20:34.000

# Message Information
ID Date Time Message User
1 2000-05-29 16:38:22.000 DX200
1 2000-05-29 16:38:35.000 DAQSTATION
1 2000-05-29 16:38:56.000 YOKOGAWA
1 2000-05-29 16:39:24.000 Start
    
```

```

Title : Test
Graph Name : Graph0002
Comment :
Print Range : 2000-05-29 16:37:54.000 - 2000-05-29 17:20:34.000

# Alarm Information
CH/TAG Level Type Date(ON) Time(ON) Date(OFF) Time(OFF)
PIC-01 0 H 2000-05-29 16:43:06.000 2000-05-29 16:47:00.000
PIC-01 0 H 2000-05-29 16:53:09.000 2000-05-29 16:57:05.000
PIC-01 0 H 2000-05-29 17:03:16.000 2000-05-29 17:07:13.000
PIC-01 0 H 2000-05-29 17:13:23.000 2000-05-29 17:17:19.000
PIC-01 0 H 2000-05-29 17:23:26.000 2000-05-29 17:27:20.000
PIC-01 0 H 2000-05-29 17:33:30.000 2000-05-29 17:37:27.000
    
```

## Related Products



### DAQSTATION DX100/DX200

The data acquisition and recording stations have state-of-the-art networking functions.

- State-of-art networking functions  
10BASE-T Ethernet support is a standard feature of the DX100/200.
- A variety of view modes  
The DX100/200 come with a wide-viewing-angle, high-resolution TFT color LCD panel to provide a variety of view modes.
- Storage options for greater flexibility  
In addition to 3.5-in. floppy disks, you can use ZIP disks and ATA flash memory cards (up to 160 MB) as external storage media.
- Top-of-the-class reliability  
The front panel of the DX100/200 complies with the IEC529-IP65 standard to keep out dust, grit and water spray.

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