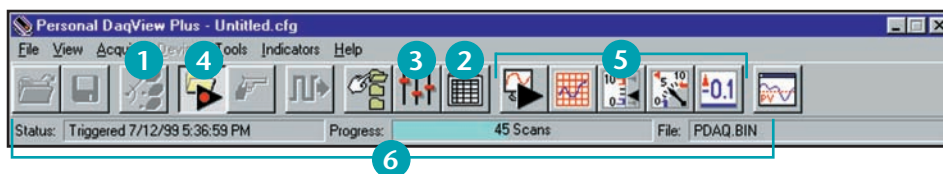# Personal DaqView
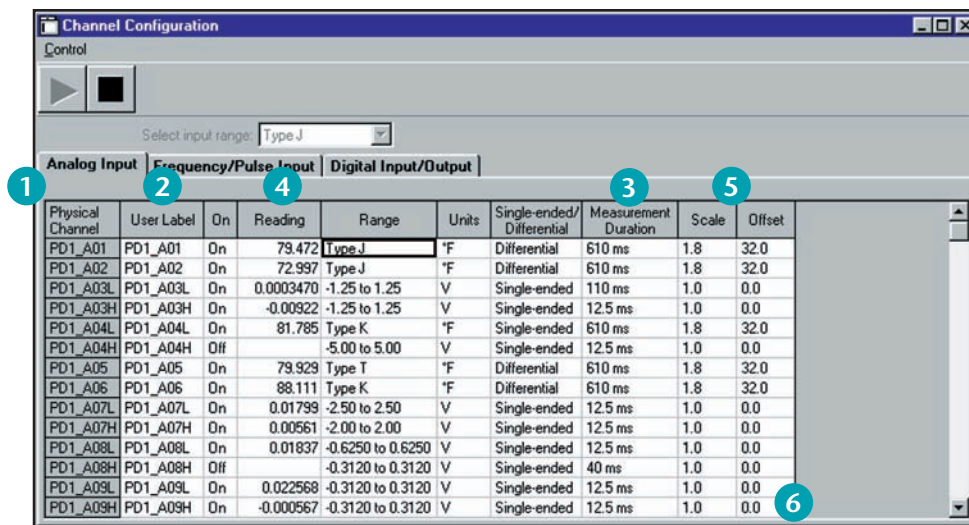## *Out-of-the-Box* Software

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Personal DaqView, IOtech's included *Out-of-the-Box* graphical data acquisition software, is an easy-to-use yet powerful application. It allows users to configure a test, and display or record data within minutes, without programming. Together with included PostView post-acquisition viewer software, Personal DaqView offers the most functionality of any included software of its kind.

Personal DaqView lets the user:

1 Select one of any Personal Daqs connected to the system

2 Set up, configure and display analog, frequency, counter, and digital I/O channels in real time

3 Easily and quickly configure acquisition parameters such as trigger events, stop events, and acquisition scan rates

4 Acquire analog, frequency, and digital I/O channels to disk in real time

5 View real-time analog, frequency, and digital I/O using extensive charting and metering displays

6 View acquisition status at a glance, including triggered time/date, acquisition progress, as well as acquisition destination file
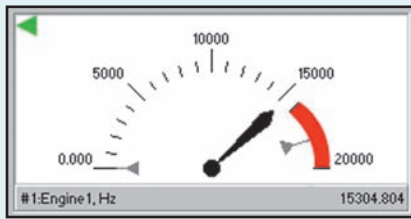
The Analog Input screen allows the user to:

1 Easily configure analog input channels such as voltage and temperature measurements

2 View channels through both a physical channel description or a user-defined channel description

3 Select the minimum measurement duration for a channel on a per-channel basis

4 Display real-time readings of active or enabled channels

5 Apply scale and offset for real-time mX+b operation

6 Have the spreadsheet automatically "grow" as more channels are added to the system

Personal DaqView
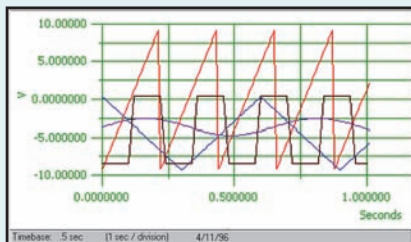## *Out-of-the-Box* Software

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Custom Real-Time Displays

Personal DaqView allows the creation of customized real-time displays using built-in display options, including digital, dial meter, bar graph, and strip chart displays. No programming is required — simply point, click, and drag desired display options to create a custom screen.
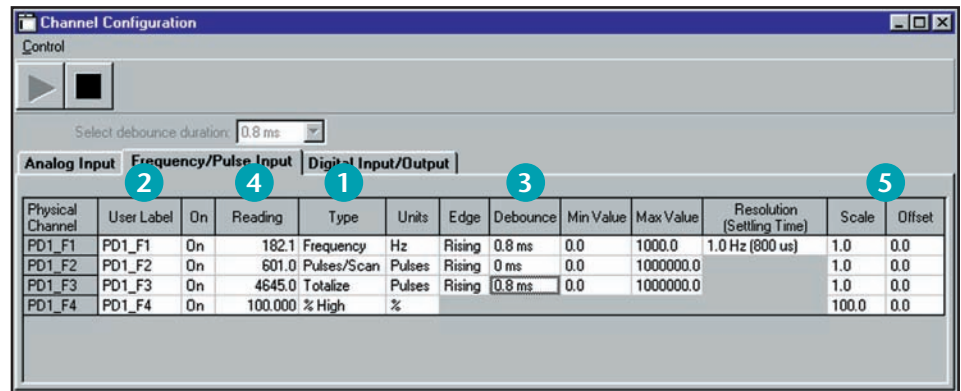

Dial Meter

Personal DaqView allows up to 32 channels to be shown in a dial display format. Each dial indicates instantaneous levels, as well as peak hold and trends.
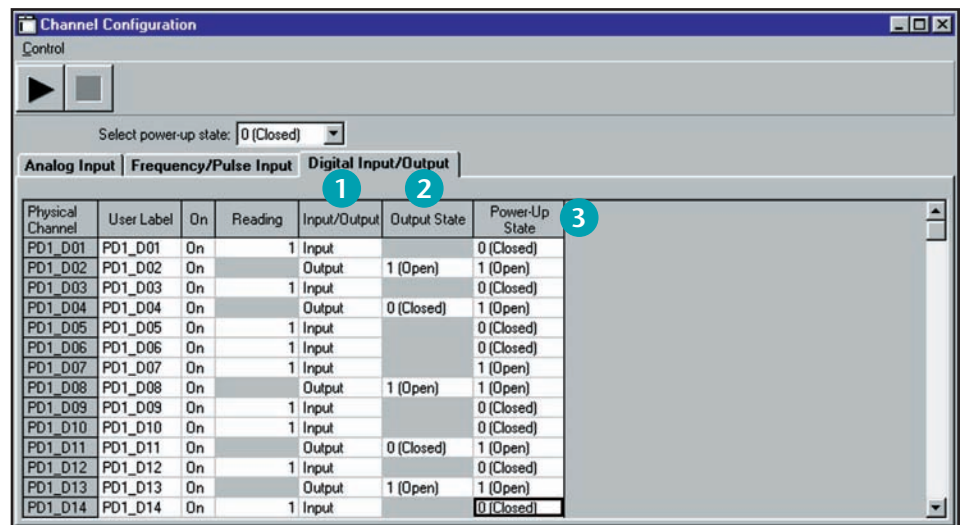

Strip Chart

Display up to 16 smooth-scrolling strip charts of data, all of which scroll at the same rate, and define a full-scale range for each individual channel, as well as adjust the scroll rate to 14 different speeds.

The Frequency/Pulse Input screen allows the user to:

1 Easily configure counter channels as frequency, pulse counting, totalized, or duty cycle inputs

2 View channels through both a physical channel description or a user-defined channel description

3 Set counter input signal debounce, input frequency range, and counter edge sensitivity on a per-channel basis

4 Display active or enabled frequency/counter channels in real time

5 Apply scale and offset values for real-time mX+b operation

The Digital Input/Output screen allows the user to:

1 Read the curent state of all digital input channels

2 Manually set the state of each digital output channel

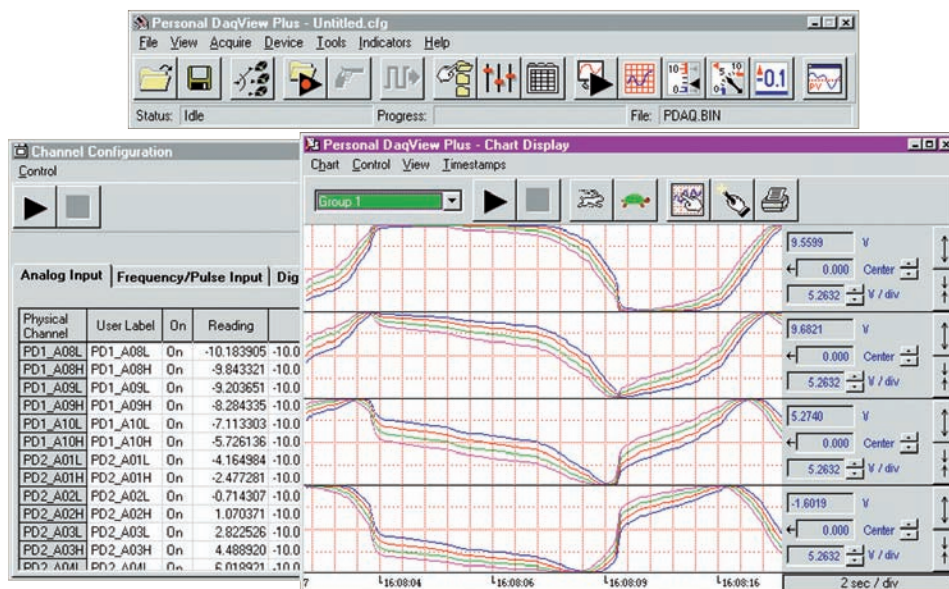**3** Set the default power-up state for each digital output channel

Personal DaqView
Out-of-the-Box Software

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Chart

Personal DaqView software provides advanced charting capabilities, including multiple traces per chart, multiple chart groups, and support for up to 100 Personal Daq devices attached to one PC.

- Allows display groups to be created for customized viewing
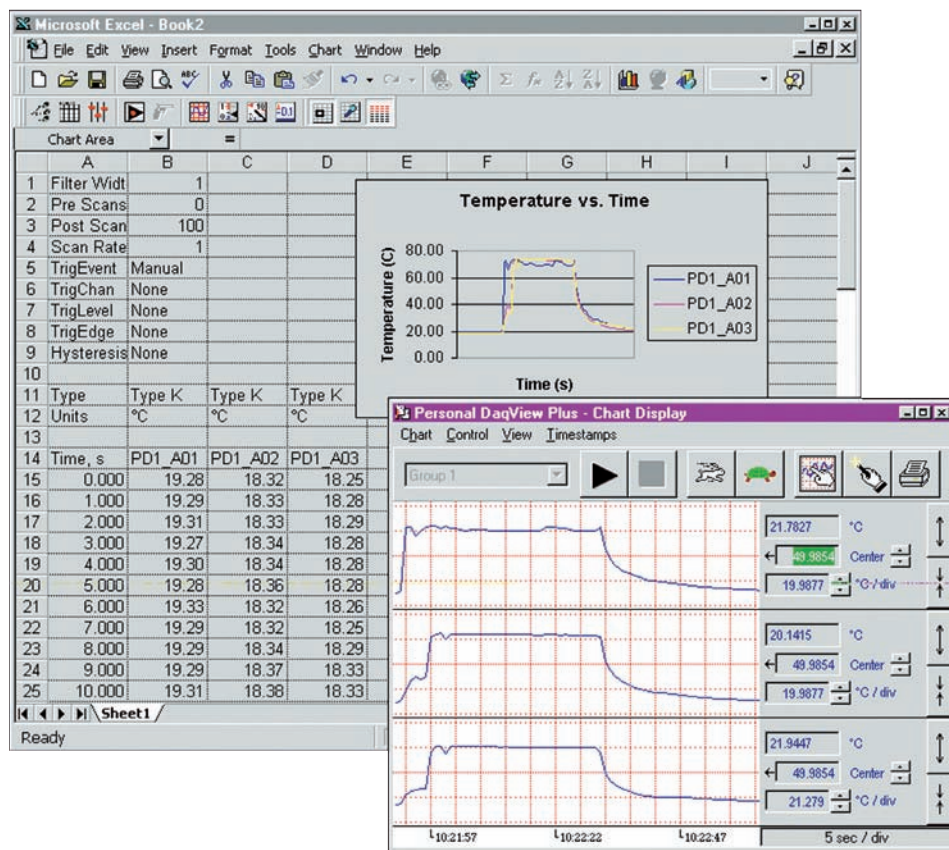- Supports up to 100 Personal Daq devices

Personal DaqView provides display of multiple channels in one chart

XL Integration

XL integration allows Personal DaqView to execute seamlessly from within Microsoft® Excel's tool palette. Acquired measurements are inserted directly into an Excel® spreadsheet in real time.

- Allows formula creation on acquired data
- Provides control of acquisition from spreadsheet

Personal DaqView allows display of collected data with Excel and software package charts