Technical Data

Fluke DAQ 6.0 Application Software for Fluke data acquisition products

Fluke DAQ version 6.0 is a powerful and versatile application for quick and easy configuration, data logging and data analysis using these Fluke instruments:

- 2638A Hydra Series III Data Acquisition System/Digital Multimeter
- 2640A and 2645A NetDAQ Networked Data Acquisition Units
- 2680 Series Data Acquisition Systems
- 1586A Super-DAQ Precision Temperature Scanner

Fluke DAQ is praised by users for its versatile handling of data acquisition and logging. Improved trending, file handling, web interface, web control, and convenient print functions for charts make this version of Fluke DAQ a feature-rich update. Fluke DAQ 6.0 is truly a program you can trust with your important data and analysis needs.

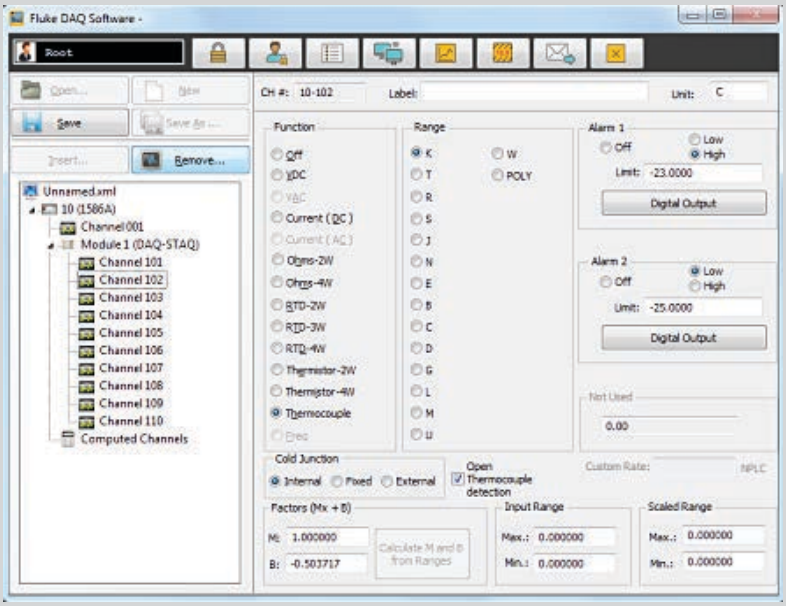

Figure 1. Fluke DAQ 6.0 makes it easy to configure, log and analyze data collected with Fluke data acquisition instruments.

Fluke DAQ 6.0 key features

- Easy multi-unit configuration for any mix of 2638A Hydra Series III, 1586A Super-DAQ, NetDAQ or 2680 Series models
- Full screen trend charting of up to 32 channels with zoom, print and scaling functions
- Built-in OPC server software for sharing Fluke DAQ data with popular client programs
- Advanced trend display and viewing tools with print functions
- Logon security features
- Auto start on power interrupt settings
- Master/slave configurations available
- Alarm logging history with acknowledgement features
- Four web clients for remote viewing and control of systems using secure login
- Automated email of alarm alerts
- Up to 2000-channel capability

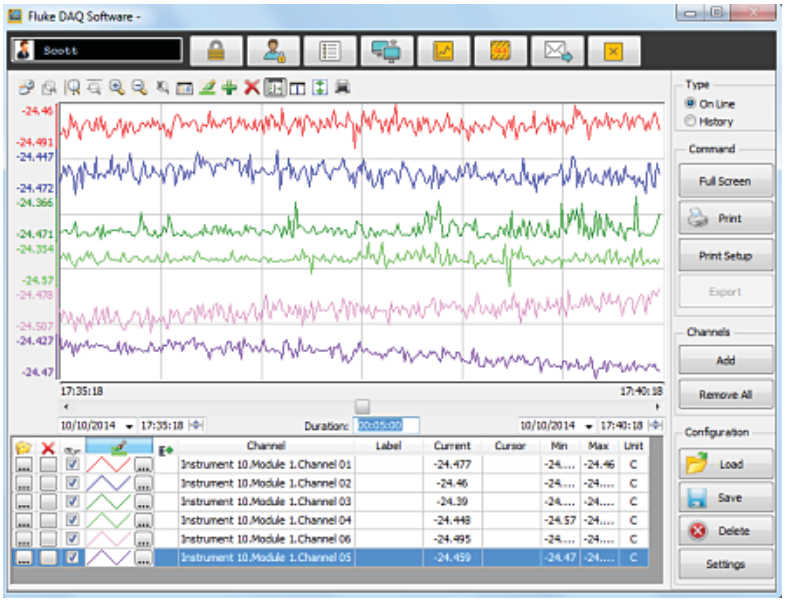

Figure 2: Fluke DAQ 6.0 software provides an advanced trend display.

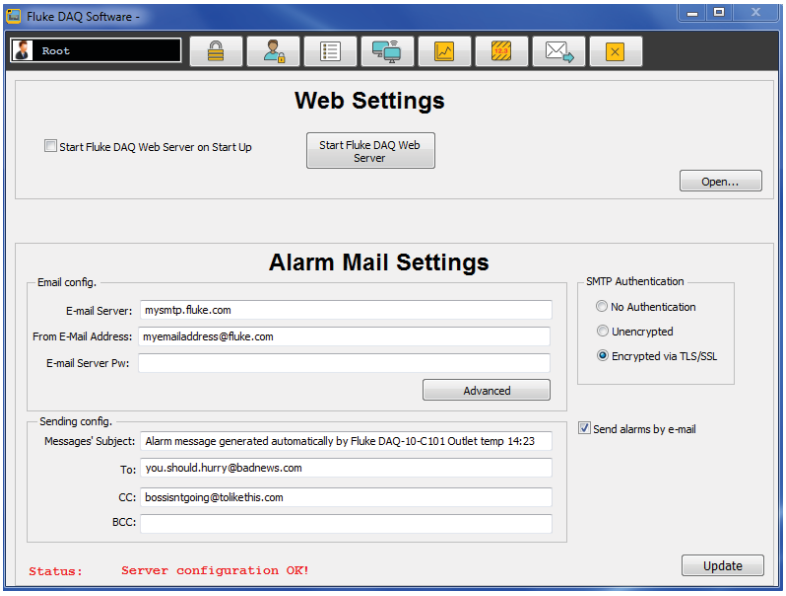

Figure 3: Easily configure email alarms and remote web page settings.

Versatile and powerful

Easy instrument setup. Simply connect your 2638A, 1586A, NetDAQ or 2680A Series to your computer and your current hardware configuration will pre-populate in the configuration setup area, ready to edit if needed. The simple copy-and-paste feature makes quick work of setting up multiple channels with similar inputs.

Trend chart: View up to 32 trends on one graph, with the ability to save and load historical charts and add new chart formats. Chart controls for auto scale, fixed scale, horizontal and vertical zoom and grid division control.

Chart data export: Fluke DAQ makes it easy to extract data from any portion of your historical chart data. Simply select the data you want and export chart data to a convenient CSV file format.

Print capability. Print trend charts and alarm status information from a local PC or from the Fluke DAQ web view.

Web view. In addition to current readings, the web view feature allows users to display trend charts and the alarm screen in a web browser. Four web clients allow password secure connections from up to four remote users simultaneously.

Web control. Instrument scanning can be started and stopped remotely from the Web view screen in a browser, using one of the four thin web clients within Fluke DAQ.

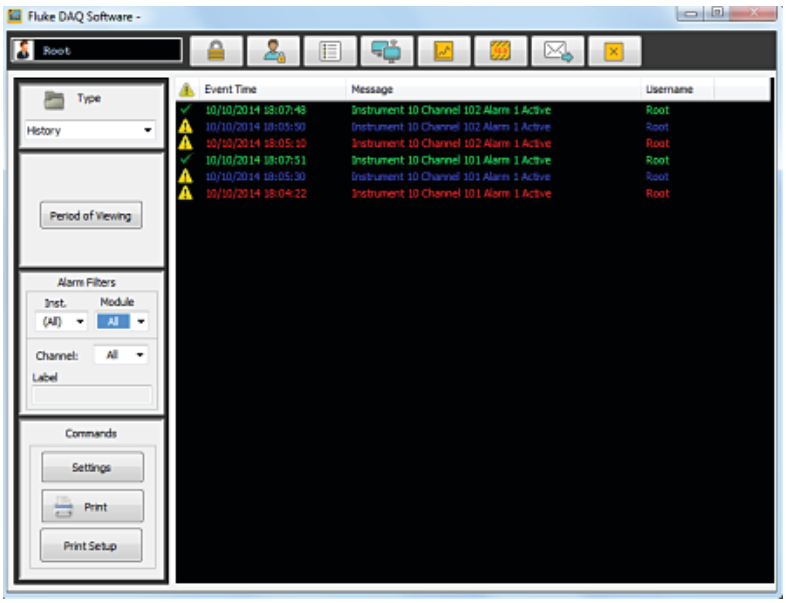

Figure 4: The alarm page gives a full page view of historical and present alarm conditions.

Alarm pages. The Fluke DAQ alarm page gives the operator a full page view of historical and present alarm conditions. The operator has full control over alarm acknowledgement function and can select filters for viewing specific channel alarm history by channel or date range. Alarm conditions may also be emailed to users for immediate notification of system status.

Off-line operation. Instruments can be left scanning when the Fluke DAQ 6.0 application shuts down. Start the program again and Fluke DAQ 6.0 software reconnects to your instruments and resumes data retrieval and control.

Import/export configuration files. The Fluke DAQ 6.0 software configuration is saved in XML format, which allows the configuration to be easily imported, exported and edited.

Automatic start scan. Fluke DAQ 6.0 can be easily set to start scanning automatically when your computer is started. This allows unattended operation or automatic scan resuming after a power failure.

Multiple language support. Version 6.0 speaks your language and can be switched from one language to another during operation. Languages supported in Fluke DAQ include English, Spanish, Swedish, Russian, Korean, Japanese, Italian, German, French and Chinese.

OPC server software

OPC is a standard interface for passing data and communicating information between programs and devices in the Windows environment.

Fluke DAQ 6.0 software contains our OPC server software that loads with the Fluke DAQ installation. This powerful communication interface serves up requested data to any OPC client package, such as the Fluke Trend Link advanced trending software by Canary Labs.

When using the included OPC software, client programs such as National Instruments LabVIEW™, Canary Labs Trend Link, Wonderware® software and many others may request real-time or historical data from the Fluke DAQ database.

Having an OPC server within Fluke DAQ 6.0 means expanded utility for your data handling needs.

Trend Link

Trend Link is an advanced trending and analysis software from Canary Labs that can be used to chart information in real time from the Fluke DAQ (2680A-APSW) program or other OPC server sources.

Trend Link, using OPC, requests data from the Fluke DAQ software. This data is then trended on a custom developed chart produced by the user.

Trend Link has full control over chart features, allowing you to change scaling, super-impose trends, change chart direction, set visual alarms and much more.

Trend Link (2680A-904) gives an important visual dimension to your data with a tremendous amount of flexibility.

Trend Link features

- Multiple trend and analysis tool with OPC interface
- Flexible display and scale options
- Multiple chart instances offers a variety of trend displays open at the same time
- "Smart" gridline controls allow even, graduated spacing and color selection

System requirements

- One of the following Microsoft operating systems:
  - Microsoft Windows Vista Service Pack 2
  - Microsoft Windows 7 Service Pack 1
  - Microsoft Windows 8 (excluding Windows RT)
  - Microsoft Windows Server 2003 Service Pack 2
  - Microsoft Windows Server 2008 Service Pack 2
  - Microsoft Windows Server 2008 R2 Service Pack 1
  - Microsoft Windows Server 2012
- Processor: 1 GHz or greater
- Memory: 8 GB recommended
- Disk space: 3 GB recommended
- Application size: 432 MB

Fluke DAQ 6.0 Lite

Fluke DAQ 6.0 Lite (2680A-APSW/L) is a basic configuration, scanning and data file creation package that is based on the same easy-to-use menu system and user interface as the full Fluke DAQ 6.0 version. This version communicates to one Fluke data acquisition product at a time using USB or LAN to collect your data to a CSV data file for easy post processing. For easy setup, data collection over LAN or USB and simple viewing of channel data, this program is a no-frills get-it-done data collection package. Trending, web service, OPC, automated email alarms and alarm page acknowledgement are not available in this Lite version.

Ordering information

Model

2680A-APSW Fluke DAQ 6.0 Application Software
2680A-APSW/L Fluke DAQ 6.0 Lite-Basic Data Collection Software
2680A-APSW/LU Upgrade from Lite to full Version V6.0
2680A-APSW/U Upgrade from V5 or below
2680A-904 Trend Link V 10 Advanced Trending Software
2680A-904/U Upgrade from 6.1 or below to Trend Link V10

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Web access: http://www.fluke.com

Printed in U.S.A. 11/2014 2806282c_en
Pub-ID 13043-eng Rev 01