

Product highlights



2638A Hydra Series III Data Acquisition System

A price performance breakthrough in standalone data acquisition system

The Fluke Hydra Series III continues the Hydra Series legacy in data acquisition. This new Hydra Series improves on the long standing, industry leading specification of best-in-class thermocouple accuracy. With basic dc measurement accuracy of 0.0024 %, 0.5 °C thermocouple accuracy, color trend display, easy-to-use menu system and world-class industrial safety ratings, the 2638A is a truly industrial grade, precision data acquisition system.

Expandable from 22 to 66 channels of analog differential measurement, the Hydra 2638A offers the flexibility of our Universal Input Connector, which allows quick connect and disconnect of any type of input to any channel. AC and dc voltage, resistance, thermocouple, RTD, thermistor, frequency and dc and ac current are all selectable inputs for the 2638A. If your measurement need is from under twenty channels to over sixty-six channels per unit or thousands of channels per system, we have you covered.

- DC accuracy of 0.0024 %
- Best-in-class thermocouple accuracy of 0.5 °C
- Up to 67 universal differential, isolated inputs
- On-screen color trend graphing
- Easy menu system for setup and data management
- Multi-channel real-time data display
- 6.5 digit DMM function selections
- Monitor function for real-time viewing and charting between scans
- 20 on-board separate math channels
- 45 channels/sec basic dc scan rate
- Internal 75,000 scan memory plus USB drive port
- Data security features
- CAT II 300 V input safety rated



Fluke DAQ 6.0 Application Software

A powerful and versatile application for quick and easy configuration, data logging and analysis using Fluke data acquisition products

Fluke DAQ is praised by users for its versatile handling of data acquisition and logging. Improved trending, file handling, added web interface, web control, convenient print functions for charts and graphs and multiple language improvements make Fluke DAQ version 6 a feature-rich application that you can trust with your important data and analysis needs.

Fluke DAQ features easy multi-unit configuration, data logging and analysis for any of these products:

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