



# 8832 Data System Controller



## Standard Features

2048 KB SRAM

10 Mbps TCP/IP Ethernet Port

HTML Interface

(2) Serial Ports

640 x 240 16-Color Liquid Crystal Display

99 Channels

32 Calibrations with 100 Phases & 100 Data points

64 Total Alarms

32 Digital Events

19-inch Rack Mounting

90 mA Rechargeable Lithium Battery Backup

0C to 40C Operating Temperature Range

0 to 95% Noncondensing Temperature

## Input/Output

Voltage or 4-20mA Current-Loop Analog Inputs

14-bit Resolution

(+/-)100mV, (+/-)1V, (+/-)5V, (+/-)10V Full-Scale Voltage Ranges/Card

Contact Closure Digital Inputs

Isolated Digital Inputs Detect Open-To-Voltage Transitions (24V to 120V, AC or DC)

32-Channel/Second Scan Rate

Latching-Coil Relay Digital Output With a Rated Load of 5A @ 250VAC, 5A @ 30VDC

4-20mA Current Loop Outputs With 12-bit Resolution

## Benefits

Store Configuration Settings and Polling Data For 30-Days+

Remote Firmware and Configuration Download, Data Polling, MODBUS TCP

Non-Proprietary Mechanism for LAN/WAN Remote Diagnostics

RS-232 or RS-485 Ready/300 to 115.2k Baud Capability. Optically Isolated To Guard Against Lightning Strikes

Large Color Screen for Maximum Readability of System-Specific Information

Up to 75 Math Channels For Maximum Monitoring Fidelity

Easily Accommodate Daily Calibrations and Quarterly Linearity Checks

Monitor Multiple Analyzers and Inputs

Logically Control Digital Outputs, Periodic Purges, and Stream Switching

Fits Seamlessly Into Existing Installation Configurations

30-Day Minimum Backup Capability

UL & CE Certification

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Robust Design to Minimize Susceptibility to Data-Losing Scenarios

Register Voltage Changes As Low As 6.1 microVolts

Flexible Enough to Handle A Wide Range of Analyzer Inputs - Independent of Manufacturer

Detect Contact Relay Closures or Voltage-To-Ground Transitions To 24V

Isolated Inputs Maintain Data Integrity By Minimizing Interface or Susceptibility to Stray Voltages

Analog-to-Digital Conversion as Fast as Once Every 31 ms

Enable Control of External Events Such As Switching Solenoids for Calibration Control and Activation of Alarm Annunciators

Send measured values back to plant control system