

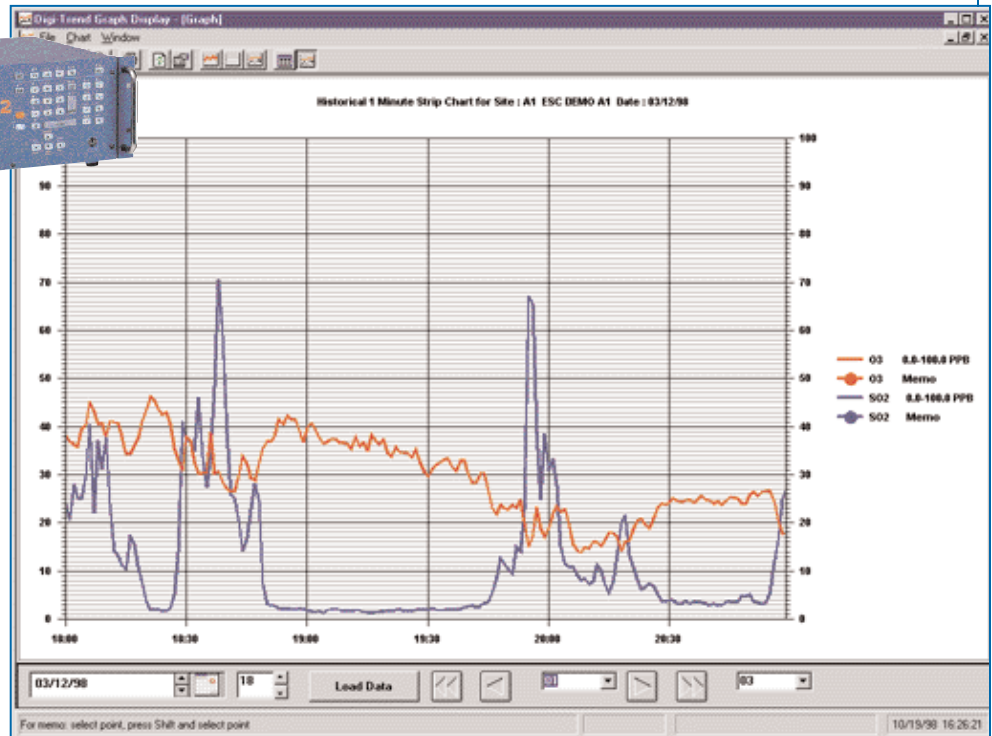
Digi-Trend

Digital Strip Chart and Trending System



Features

- Higher accuracy than paper strip chart: $\pm 0.1\%$
- Automated data retrieval and storage
- Data presentation in strip chart form
- Data annotation
- Event trending
- Seamless integration with spreadsheet
- Sensor output monitoring
- Zoom data viewing
- Graphical displays & tabular reports
- Time/date stamped log book



Agilaire's Digi-Trend Digital Strip Chart and Trending System provides a superior alternative to conventional paper strip chart recorders. The Digi-Trend system's software simulates traditional strip chart output and allows the operator to easily scroll through data, forward or backward, or to jump through the data in intervals as large as 24 hours at a time. Data can be graphed in real-time or graphs can be generated from historical strip chart data stored on disk.

The typical Digi-Trend system consists of an Model 8832 Data Logger directly connected to a standard IBM (or compatible) personal computer running Digi-Trend software and optional printer – all at a cost that is comparable to that of good quality, two-chan-

nel strip chart recorders. In addition to a competitive initial cost, this "digital" strip chart reduces operating expenses by eliminating costly pens and charts. Electronic storage also means that data marking and archiving are streamlined.

Using an optional, additional software package, Digi-Trend Central, the strip chart data collected from multiple remote sites can be reviewed at a centrally located computer. The site data can be transported to the central PC via diskette or file transfer software.

Unmatched data handling reliability is provided by the Model 8832 Data Logger. Up to two weeks of data, including time tags, are stored in the data logger's internal, battery-backed RAM. There are no moving parts to

wear out and no data is lost in the event of a power failure.

The Windows® based Digi-Trend software features a user-friendly, menu-driven software interface. Data reporting is flexible, intuitive, and can be presented in graphical or tabular formats. A memo capability allows the operator to attach notes to selected data points. The number of memos is limited only by available disk space.

With its high resolution and ability to change ranges, Digi-Trend offers far greater accuracy, control and convenience than traditional strip charts.

The future of strip charts is in digital technology. Agilaire offers that technology today!

User-Friendly Windows Interface Combines the power of multi-tasking with the ease of Windows. Allows operator to view one or more charts simultaneously, click the mouse to instantly see a table of the chart data, or generate a printout by simply clicking on the printer icon.

Competitive Cost The initial cost is comparable to that of a two-channel strip chart recorder.

Reduced Operating Expenses Eliminates replacement parts costs for pens, charts, etc., and streamlines the process of marking and archiving data.

Increased Reliability Data, including time tags, is stored in the data logger's internal battery-backed RAM. There are no moving parts to wear out and no data is lost in the event of power failure.

Automatic Functions Data retrieval and storage are carried out automatically.

Simplified Data Viewing Easily locate and scroll through any data from one to three parameters at a time and zoom in on points of interest, etc.

Convenient Memo Capability Allows the operator to type in notes and attach them to selected data points.

Logbook Operators can keep a log of their activities, with automatic date/time stamping of each entry.

Seamless Integration with Spreadsheets Allows operator to put chart data into third-party spreadsheets for additional processing and reporting without stopping Digi-Trend. Selected data can simply be copied from Digi-Trend and pasted into the spreadsheet.

Flexible Data Reporting Reports can be generated in graphical or tabular formats. Output can be viewed, printed, or saved to a file.

Greater Flexibility The basic system supports up to 8 input channels, and can be expanded to as many as 96 input/output channels.

Automatic Alarm Feature Flags data during power outages, calibration periods, and high or low set point exceedances, etc.

Troubleshooting Capability The Digi-Trend system can continuously monitor any specific sensor output in real-time.

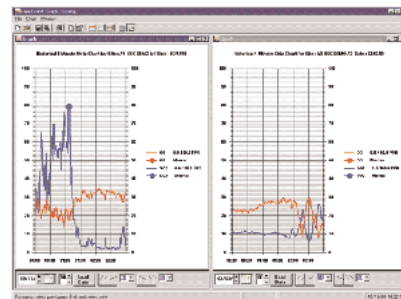
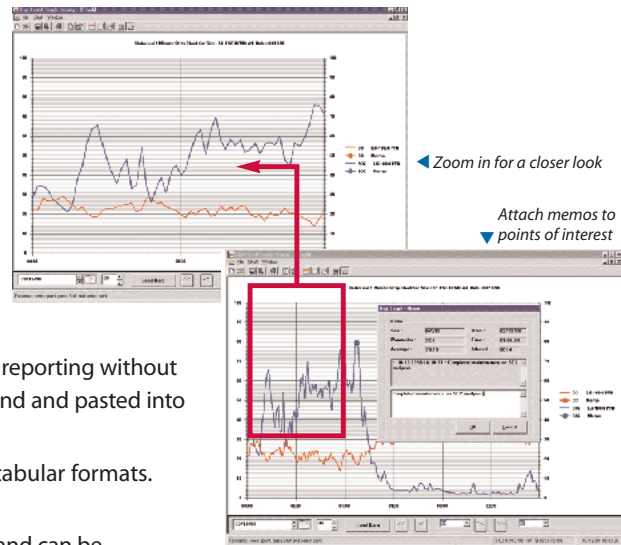
Greater Security Configuration of parameters and displays can be changed only by an authorized user with a valid password.

Model 8816/8832 Data Logger Features

Environmental instrument outputs (either voltage or current) are connected directly to the data logger on-site. The data logger has the following general capabilities:

- Basic system supports up to 8 channels, expandable to 96 I/O channels.
- Will store multiple data averaging intervals from ten-second to one-day in duration. Storage time can be specified independently for each data channel.
- Multitasking - Continues data acquisition and storage while performing other functions.
- Battery Backup - For stored data and internal clock
- Menu-driven Interface - For easy setup and data viewing
- Configurable for a variety of environmental monitoring parameters, such as WS, WD, SO₂, NO_x, Ozone, etc.
- Accuracy - 0.1% full scale from 0°C - 50°C

Agilaire's Digi-Trend Digital Strip Chart and Trending System generates graphic charts like these with just a few mouse clicks!



Generate Tabular Reports

Channel	Date	Time	Value	Units
01	11/11/01	00:00	100.00	Volts
01	11/11/01	00:05	100.00	Volts
01	11/11/01	00:10	100.00	Volts
01	11/11/01	00:15	100.00	Volts
01	11/11/01	00:20	100.00	Volts
01	11/11/01	00:25	100.00	Volts
01	11/11/01	00:30	100.00	Volts
01	11/11/01	00:35	100.00	Volts
01	11/11/01	00:40	100.00	Volts
01	11/11/01	00:45	100.00	Volts
01	11/11/01	00:50	100.00	Volts
01	11/11/01	00:55	100.00	Volts
01	11/11/01	01:00	100.00	Volts
01	11/11/01	01:05	100.00	Volts
01	11/11/01	01:10	100.00	Volts
01	11/11/01	01:15	100.00	Volts
01	11/11/01	01:20	100.00	Volts
01	11/11/01	01:25	100.00	Volts
01	11/11/01	01:30	100.00	Volts
01	11/11/01	01:35	100.00	Volts
01	11/11/01	01:40	100.00	Volts
01	11/11/01	01:45	100.00	Volts
01	11/11/01	01:50	100.00	Volts
01	11/11/01	01:55	100.00	Volts
01	11/11/01	02:00	100.00	Volts



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