

Today's demand for monitoring and validation of a project or a process require an increasing divergence of data logger capabilities. To meet the growing demand and need for data recording instruments data logging systems were developed. A data logger is a device that can read various types of electrical signals and record them for subsequent analysis, but may also include real-time features including alarms.

APPLICATIONS

Data logging systems are used in many different applications to monitor and collect specific types of information. The following are just a few examples of "real world" applications where data loggers can make the task of gathering information a lot easier and efficient.

- ❑ Monitoring Product Quality
- ❑ Pharmaceutical Process Validation
- ❑ Recording Process Parameter Information
- ❑ Power Usage Logging
- ❑ Logging Motor/Compressor Performance
- ❑ Air Quality Monitoring
- ❑ Monitoring Comfort Level Compliance

SELECTING A DATA LOGGER

- ❑ Ease of use... The data loggers should be user-friendly, easy to set up, activate and off load data.
- ❑ Data Collection...The data logger should have the ability to collect data on a 24-hour, around the clock basis.
- ❑ Reliability... The data loggers should have a proven track record for accuracy, reliability and dependability.
- ❑ Durability... The data loggers should be designed for rugged indoor/outdoor use to withstand the rigors of harsh environments.

Micro Systems & Controls have a proven track record in data logging systems with a large number of installed units running successfully in various industries. We offer Data Logging Systems with two options namely

- ❑ Stand-alone Data Logger
- ❑ PC based Data Logger

Ease of use and good accuracy and value are the features of Micro Systems & Controls data logging systems. The parameters which data logger can measure are temperature from RTD or thermocouple, process signals like flow, pressure and relative humidity from suitable transmitter, linear inputs like V DC, mV DC and the list goes on.

STAND-ALONE DATA LOGGING SYSTEM

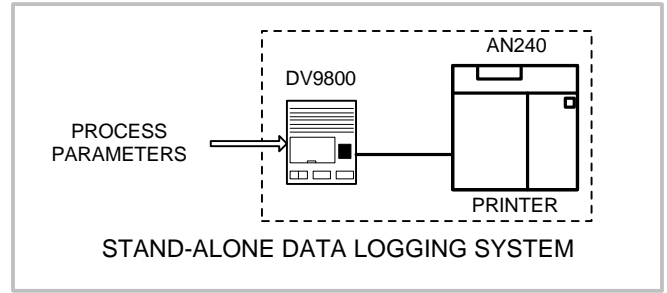
This system provided by Micro System & Controls are true stand-alone devices, meaning that you don't need a computer to operate them. The data they collect are directly printed onto paper. Thus



this system provides the user with a hard copy printout of the data recorded. This data can be immediately analyzed for trends or stored for historical archive purpose.

Features

- Universal input
- User-friendly alphanumeric display
- User programmable channel names, units & report header
- Alphanumeric printing
- Programmable print interval



The stand-alone data logging system consists of the following units:

	MODEL NO.	*ORDERING CODE
▪ Data View – Universal Micro Scanner	DV9800	916 – 0XX – X3
▪ Industrial Panel Printer	AN240	919 – 000 – 0X
▪ Data Logger Panel / Enclosure (Optional)	DLP100	918 – XXX – X0

- * NOTE: 1) Enter value of 'X' as per requirement.
 2) Please refer to their respective datasheets

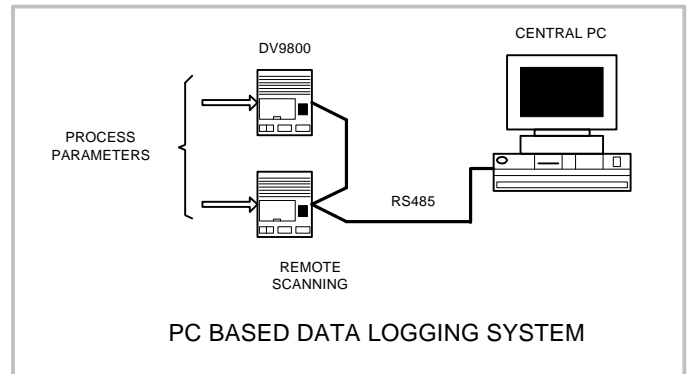
The scanner and printer can be mounted on users panel if available. However if users panel is not available separate data logger wall mounting enclosure DLP100 can be provided.

PC BASED DATA LOGGING SYSTEM

This system provided by Micro Systems & controls require you to use a PC. With the help of the our MicroDAS software you can record data onto your PC. The data can then be organized and analyzed to decide how it is to be reported.

Features

- Universal input
- Real-time process display in graphical & numeric form
- Real-time multichannel trending
- Process history
- Ability to collect data in remote locations
- Low system requirement
- Simple operation



The PC based data logging system consists of the following:

	*ORDERING CODE
▪ Data View – Universal Micro Scanner: DV9800	916 – 0XX – X3
▪ MicroDAS Data acquisition software package	930 – 000 – 0X

- * NOTE: 1) Enter value of 'X' as per requirement.
 2) Please refer to their respective datasheets
 3) RS485 to 232 converter required at PC end for more than 16 channels