

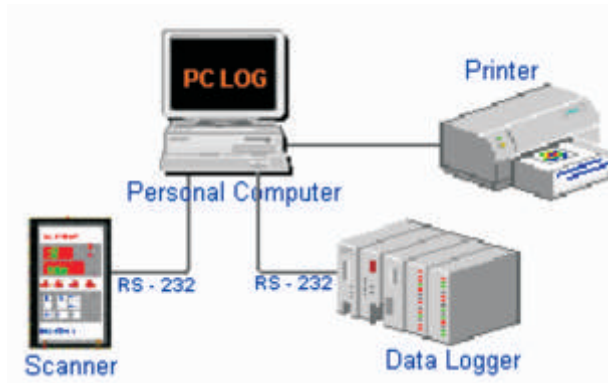
PC - Based Hybrid Recorder PCLOG

Introduction

Once data has been acquired, there is often a need to store it for current and future reference.

Conventional analog recorders have had the functions of a data logger added to their capabilities, called "Hybrid recorders". They combine analog trend representations with digital information on the same chart paper.

Today, old traditional paper recorder has been obsolete and alternative electronic methods of data storage utilizing digital computer memory is proved to be an efficient way of recording data. There is now data acquisition hardware and software that can work with standard PCs, making it quite plausible to classify them as recorders or, alternatively, data loggers. These are referred to as PC-based solutions. New technology has made recording data paperless and is a practical reality, with savings in materials and maintenance. This class of instrument mimics conventional trend recorder displays that has the capabilities of a data logger and can export data to a PC or DCS workstation, in real-time or periodically for future analysis. Now, digital computer systems have had the ability to provide useful trend curves on CRT displays, that can be analyzed and printed. Today, a similar approach permits digital inputs to recorders and data loggers to be stored electronically on-board or sent to a remote PC, distributed control system (DCS) workstation, or full-color printer. PCLOG optionally complies to FDA norms of electronic signature (21 CFR, Part 11) for food/chempharma applications.



Features

PCLOG software monitors through front end multichannel 85XX Scanner, 8040 Data Logger in a process control environment and gives easy access to parameter settings, monitoring, logging data and status of hardware.

- PCLOG software is fully menu driven and user friendly with standard Mouse / Keyboard or Functional Hot Keys.
- Provides alarm annunciation.
- PCLOG provides real time data acquisition and monitoring. The data is displayed in attractive forms like 3D bar graph display, trend curves and large digital display.



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Application

Process measurements for variables like temperature, pressure, flow, pH, humidity and engineering applications such as high-speed testing, SPC and other laboratory or off-line uses where a graphic or digital record of selected variables is desired.

Specifications

Display

PCLOG will display real time data in various formats like large digital displays, bar graphs and group displays.

Real Time Trend/ History Trend Display

This shows real time and historical trend of all channels and provides facility for Zoom.

Report

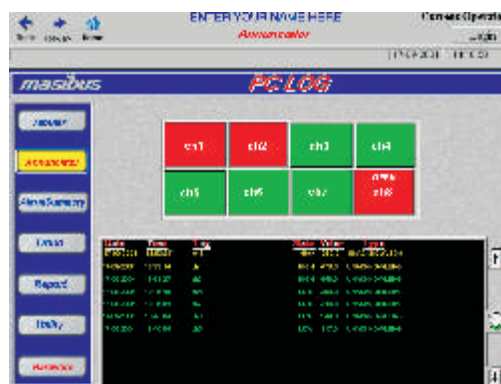
PCLOG provides colorful report in excel for user selectable time period.

Alarm Annunciation

PCLOG provides display of alarm status both as line display and also soft window annunciation.

Utility Page

PCLOG offers various utilities like tag debug, IO device statistics, calculator, notepad for operator log, computer setup, report setup, PC CPU usage and date/ time settings.



Benefits

- PCLOG recording system doesn't need any recording pens, paper unlike conventional recording system and is a vendor independent product.
- Recorded data can be stored and maintained for number of months without data loss.
- Recorded data is easily readable since reports are available in form of tabular and graphical formats.
- Interval time of recorded data can be programmed.
- System & menu functions are user friendly.
- Reduced cabling cost and low maintenance, as only one system has to be operated and maintained. instead of multiple recorders.
- System is also available with the facility of supervisory password.
- Recorded data is always maintained in a centralized location for future analysis.

All specifications are subject to change without notice due technology reasons.
Doc.ref.CB-2/PCLOG/R0/0110