

MoniTrend

Man-Machine Interface

DATA ACQUISITION, TRENDING, REMOTE MONITORING AND INTERNET REPORTING

Maximize the efficiency and availability of your equipment with **MONITREND** software. This Man-Machine Interface (MMI) product provides low cost data acquisition, trending, event logging, alarming and diagnostics of machinery parameters. Real-time data and trends may be viewed locally or over telephone, cellular or satellite. Daily **Internet Reports** are also available via e-mail.

The powerful **MONITREND** MMI software installs in any desktop PC or industrial computer and interfaces directly with all Modbus capable devices and PLCs via Ethernet or a serial port.

POWERFUL FEATURES

- Easy to Use mouse or touch screen operation, with no keyboard required in the field.
- Easy, Fill-in-the-Blank Configuration in minutes without requiring a programmer.
- Thousands of Analog and Digital I/O with high/low level indication and alarming.
- Trends all Analog Inputs Simultaneously with minimum, maximum and average trends.
- Unlimited number of Groups of Trends with eight trends per group.
- Event Logging of all critical events such as alarms, status changes and operator control functions.
- Performs Mathematical Calculations on data and trends the result, in real-time, to calculate efficiency, heat rate, flows, energy consumption, etc.
- Automatic and Manual Archiving of all plant trends and events for future retrieval.
- Communication with Popular PLCs such as Allen Bradley, Modicon, GE, Siemens, etc. via Modbus.
- Telecommunications ability allows MoniTrend Supervisor software to view real time data remotely via telephone, cellular or satellite.
- Internet Reporting ability to allows sending customized reports via e-mail.
- MoniTrend has both the Run Time and Development software combined in one package for easy development and modifications.
- Windows 95, 98, NT, 2000, XP.



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DRAMATIC BENEFITS

- **Easy Fill-in-the-blank configuration** makes configuration and start-up **fast** and **inexpensive**.
- One MoniTrend will handle small to large installations.
- Trending of all points allows for **fast** and **efficient** evaluation of equipment performance.
- **Group Trends** make comparison of data easy and provides operator diagnostic information.
- **Event Logs** provide a chronological history of all status changes and alarms for quick analysis and diagnostics.
- **Real-Time Mathematical Calculations** allow plant performance monitoring and optimization.
- Efficiency trends compared to process variables provides valuable information.
- **Archiving** manually or triggered by alarms provides historical information for analysis.
- FOA provides time stamped causes of trips.
- **Versatile Communication** allows one MMI to be used for the entire plant and any PLC.
- **Telecommunications** allows remotely located personnel view real time data without costly site visits.
- Allows **Low Cost** viewing of current and historical engine parameters in a customized report format.
- **Standard Windows OS** and Computer.

APPLICATIONS

- General **SCADA** and RTU applications
- Reciprocating **engine/generator** or **engine/compressor** monitor
- **Turbine** engine/generator or compressor monitor
- **Ship** engine and marine applications
- Large mobile **machinery** monitor
- **Oil well, gas well and gas** compressor station **RTUs**
- Machinery **protection** and preventative maintenance
- **Environmental** monitoring
- Petrochemical **refineries** and tank farms
- **Utility** generation and cogeneration plants
- **Water** and wastewater treatment plants
- Building **HVAC** and energy management
- **Factory** data acquisition
- **Manufacturing** data acquisition
- **Locomotive** applications
- **Security** systems

“SUITABLE FOR ALL NEW AND RETROFIT APPLICATIONS!”