

1900/65 General Purpose Equipment Monitor Adds Modbus® Ethernet Connectivity

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Our recently released (January 2005) Bently Nevada™ 1900/65 General Purpose Equipment Monitor has already established itself as a very popular offering with customers. The addition of Modbus® connectivity makes it even more appealing.

Designed as a flexible, cost-effective solution for customers wishing to continuously monitor and protect essential and general purpose assets, the 1900/65 now allows users to transmit a broad range of static variables collected by the monitor along with alarm statuses and event list data. Using the optional Modbus gateway that is completely integral to the 1900/65, data can be supplied to a wide variety of plant automation, condition monitoring, and information platforms such as Distributed Control Systems (DCSs), Programmable Logic Controllers (PLCs), Supervisory Control and Data Acquisition (SCADA) Systems, and our own System 1® Optimization and Diagnostic Software. Special consideration has been given to ease-of-use in the interface by incorporating features such as dynamic Modbus memory mapping, allowing integrators more flexibility in how registers are assigned and used. The result is more efficient access to 1900/65 data while minimizing programming and communications overhead. Configuration data for both the monitor and the interface can be exported in Comma Separated Variable (CSV) format, making it easy to document your installation.

The 1900/65 is designed for installation near the equipment it protects, reducing wiring costs. To provide the necessary data back to the control room, the monitor's Modbus gateway feature can be used over a wired or wireless Ethernet connection back to the control system. Because the 1900/65 is available with hazardous area approvals, users have additional flexibility in mounting the device near the equipment it monitors – particularly



The 1900/65 Monitor is now available with optional Modbus® gateway functionality, allowing Ethernet connectivity to plant control and automation systems.

important for refineries, chemical plants, and other hydrocarbon processing facilities where flammable atmospheres are present.

A small, flexible, multi-channel monitoring system, the 1900/65 provides channel density and connectivity characteristics usually only found in much larger, more expensive systems. In addition to overall vibration levels and alarms, users can custom configure the monitor to provide specific signal conditioning, alarm types, and alarm logic tailored to each individual machine type and application. Such configuration allows “smarter” alarming, helping users quickly determine the right corrective actions when a machinery upset occurs. Coupled with its new digital connectivity, users have an even more powerful platform for addressing general purpose machinery, allowing them to get the data they need, when they need it, and cost-effectively integrate it with their plant's control and information infrastructure.

You can learn more about the 1900/65 General Purpose Equipment Monitor by consulting your nearest sales professional, or by visiting www.gepower.com/o&c/bently and navigating to Products>>Monitoring Systems. 