

Bently Nevada* 3500/65 16-Channel Temperature Monitor

fact sheet

The new 3500/65 16-channel temperature monitor contains all the functionality of the existing 3500/60 6-channel monitor, but with increased channel amounts per monitor. Increased channel density in a standard sized monitor helps customers to save rack space while simultaneously adding additional measurement options for their monitoring and protection needs without requiring them to add an extra rack/s. This monitor is particularly useful for reciprocating machinery and hydro turbine applications that typically require more temperature point measurements than other machinery assets.

Applicability

The 3500/65 monitor provides 16 channels of continuous temperature monitoring and accepts both Resistance Temperature Detector (RTD) and Isolated Tip Thermocouple (TC) temperature inputs. These inputs are conditioned and compared against user-programmable alarm set points. The monitor is programmed using the 3500 Rack Configuration Software. The 16-channel temperature monitor can be configured to accept Isolated Tip Thermocouples, 3-Wire RTD, 4-Wire RTD, or a mixture of TC and RTD inputs. When used in a Triple Modular Redundant (TMR) configuration, temperature monitors must be installed adjacent to each other in groups of three. When used in this configuration, two types of voting are employed to ensure accurate operation and to avoid single-point failures. Customers likely to see the most value from available higher channel amounts in a single rack system are reciprocating machinery users as well as hydro turbine users, or on any other machinery type where temperature measurements are considered critical to efficient operation, maintenance scheduling and safety.

Benefits

- **Increased Safety and Protection** – offering users the ability to measure more machine points for temperature changes that can be instrumental in protecting your machinery assets, and the welfare of those who work around these machines.
- **Cost Savings and Convenience** – the convenience of increased channel density in one easy to install and maintain modular monitor, with the cost benefit of creative extra rack space that users can employ for additional temperature or other desired monitoring parameters without requiring the purchase of an extra rack.
- **Many More Channels, Same Trusted Functionality** –



the new 3500/65 gives you the benefits of additional channels in a monitor that provides all the existing functionality of our popular 6-channel monitor.

Select Features

- 16 channels of temperature monitoring in a highly-compact, easy to install and maintain plug-in module
- Integrated within a standard 3500 monitoring system
- High reliability system
- Two types of alarm voting for increased protection

For complete product specifications and ordering information contact:
– Jeff Rudd, Product Manager, (775) 215-1117
– Fritz Schweigert, Commercialization Manager, (775) 215-1087
– Your local GE Energy representative

www.gepower.com/o&c/bently

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