

Reducing false alarms allows for advanced warnings of problems

Newly-installed pressure transmitter increases reliability and stability

Benefits at a glance

- Ability to see pending problems ahead of time as opposed to waiting for a failure to occur
- Elimination of false alarms
- Increase in stability and reliability
- Good price for unit
- Compact design



A U.S. power producer was having problems with pressure switches chattering and causing false alarms in its cooling towers. This was causing major headaches for the plant operators and management, meaning they needed a solution from someone they could trust and that was experienced in dealing with these kinds of situations.

The Challenge The plant was using pressure switches for monitoring lubrication oil for bearings on fans in cooling towers. The chattering of the switches created false alarms and tripped the cooling towers, making it a big problem for the plant operators and management. After the problem occurred multiple times, the operators then decided that they needed to replace the current pressure switches with ones that were more reliable.

Our solution Endress+Hauser supplied the company with the Cerabar PMC131 - a capacitive, oil-free sensor for absolute and gauge pressure measurement. The unit is compact in design and attractive in price. It is a direct system with a diaphragm seal and is diaphragm overload/vacuum-resistant. The plant operators closely monitored the newly installed units for several months – including the all-too-critical summer months. The operators were very pleased as the units performed flawlessly.

Results With the PMC131, plant personnel were able to see pending issues with lube oil pressure as opposed to waiting for a failure to occur. The units worked flawlessly in eliminating false alarms, while increasing reliability and stability of performance.



Cerabar T PMC131 - Pressure Transmitter
www.endressdirect.us/pmc131

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