

APPLICATION NOTE

A portable solution to finding intermittent faults in critical equipment

Quite often, critical equipment in commercial and industrial settings may be displaying symptoms that could indicate a future failure—but those indicators are going undetected. This equipment can require an additional level of monitoring in order to find intermittent events in pumps, heat exchangers, compressors and blowers. And of course these type of events seem to occur at 2 a.m.



You and your team can't be everywhere at once so you need more eyes and ears on your machines. Fluke Condition Monitoring system offers a new solution that is changing the way the industrial world works—portable wireless sensors and a gateway for connectivity that gives you continuous monitoring so you can log electrical and temperature measurements and see what's going on with your equipment from anywhere, anytime.

In addition, the new Fluke Condition Monitoring system works with the full Fluke Connect® system of wireless portable tools and asset management software, so you can get alarms, save measurements, create work orders from a smart phone, tablet or computer. The Fluke Condition Monitoring system is simple to use, fast and easy-to-install, with the reliability and accuracy you've come to expect from Fluke.

Here are 3 challenges managers face and how Fluke Condition Monitoring addresses them:

1

Problems go unnoticed until they're catastrophic.

Equipment without monitoring often remains under the radar. Fluke Condition Monitoring is an industrial system of wireless sensors and gateway that your team can easily move around the plant. Its versatility gives you a monitoring solution for when you need a second opinion, to identify an intermittent fault or to check a fixed sensor. You can log measurements 24/7 and set up alarms so that you can leave the plant with the peace of mind your equipment is being watched.

2

Limited trending and analysis capabilities.

The inability to track some equipment over time results in a piecemeal information. Data that is siloed or inconsistent is impossible to analyze. Machines without monitoring can become the weakest link in your production chain, threatening downtime. Fluke Condition Monitoring allow you to capture baseline data and trending on equipment so you can identify problems more quickly. By correlating historical trends and tracking current conditions, you can detect faults and increase equipment uptime.



3

Fixed sensors can be expensive, lack flexibility.

Fixed sensors necessitate a sizable investment in design, engineering and IT and retrofitting can be cost prohibitive for less critical equipment. In addition, by definition fixed sensors are limited by their location. The Fluke Condition Monitoring system provides a flexible, cost-effective, easy-to-setup and operate alternative. Whether taking simple electrical and temperature measurements or power monitoring, Fluke provides a portable cohesive system designed to deliver equipment insight you need, when you need it. That puts you in front of issue so you can more easily troubleshoot and get to root cause.

Whether month-long monitoring or one-time troubleshooting of equipment, the Fluke Condition Monitoring system puts eyes and ears where you need them and giving you an easy way to access key equipment data for anywhere at any time.

Fluke. *Keeping your world up and running.®*

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