

Testimonial

CNX™ Wireless Test Tools

Name: Pat Waldon

Company: A global commercial airline

Industry: Aviation

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“The great thing about the Fluke CNX system is one mechanic can do the work of two or more and do it safely.”

Background

I've worked at a commercial airline for more than 29 years, starting as a ground equipment manager and moving to building maintenance. I am currently the Manager of Electrical Infrastructure and Support, primarily supporting our data center.

One-man job

We've had several of our mechanics using the CNX system.

We have a 1.2 million square foot facility with 13 refrigerator units and seven boilers. The control cabinet on one of the refrigerators was running a little hot, so one of our mechanics took the CNX system out to troubleshoot the problem.

He connected a CNX t3000 temperature module to the control cabinet of the York 700-ton chiller, closed the door and checked the signal on the CNX DMM from a safe distance. It measured the cabinet temperature at 105 degrees, which is about 25 degrees hotter than it should be. To troubleshoot the problem, he monitored the amperage on the motor as well as the temperature of the chilled water in the cooling tower. Part of that water comes in and chills the cabinet.

The temperature module in the cabinet was left for several days and checked regularly. Normally, this type of operation would require several mechanics using different meters to troubleshoot. With the CNX system, one person can hook the modules up once and come by with the DMM to check the measurements.

He then drove out to the cooling tower and placed a temperature module in one of the wells. It measured 71 degrees – right where it should be. He left the module attached and drove by regularly to check the readings. He didn't even have to get out of his truck; he just drove up, stopped and took a reading. By monitoring the water temperature in the cooling tower, he quickly eliminated that as the problem.

The advantage the CNX system brings is the ability to set the modules up once and leave them. With traditional meters, you'd set one up at a time, measure, remove, and come back to repeat it until you've solved the problem.

The CNX made this a one-man job. It was not only easier; it was safer as well. You can install the modules anywhere and come back and monitor them. It frees you up to deal with other issues and simply come back when it's time to check the readings. The CNX makes troubleshooting a lot easier and more efficient because you don't have to stand there all the time and monitor like you would have to in the past.



Working safely

We have double-ended remote power packs (RPP) where one side is fed from one source and the other end from another. When we put a new feed to one of the racks, it's great to monitor the current on both feeds when we fire it up to monitor the draw. That used to require one person on the RPP and another taking the readings with them communicating over radios with each other.

The great thing about the Fluke CNX system is one mechanic can do the work of two or more and do it safely. Safety is our number one concern here and the CNX system allows you to place the modules when panels are de-energized, close the door, re-energized, and monitor multiple measurements simultaneously from a safe distance without the encumbrance of PPE gear. And with the size of the modules, you can put them just about anywhere.

