FLUKE ®

Why use calibration software in process instrumentation?

Accuracy in your facility is an often overlooked, but incredibly important piece of the process. Take the time to calibrate your process instrumentation to ensure accurate measurements and control of pressure and temperature in your industrial processes.

Especially with so many different types of instruments in these environments, it's extra important that each one is properly calibrated not only to be certain the measurements are accurate but also to ensure safety and keep the system working. Any measurements that are incorrect can cause issues anywhere down the line.

Instead of hoping for the best, creating a preventive maintenance program with calibration software, asset management software, and condition monitoring can help prevent unplanned downtime or catastrophic issues.

Calibration software in process instrumentation optimization

Electrical, temperature, pressure, or a combination of all those parameters need to be maintained and calibrated on the process calibration workload in your facility. But, keeping track of all of the instruments in a facility is a huge task. There's where calibration software can help make the process easier.

Instead of having to keep a list or remember what test and measurement equipment like process meters or portable field calibrators, or pressure or temperature transmitters, switches, and gauges are around, and how and when to calibrate them, the software can organize it for you.

Fluke 750SW DPCTrack2 Calibration Management Software can automate and organize all your asset calibrations flows. The calibration software has a breadth of functionality to ensure every aspect of your calibration needs are tracked and managed in one location.

Instrument inventory and history

Calibration software can keep a running inventory of your instruments and assets, building a timeline for you and a baseline for normalcy. Beyond just the list of what assets you use, the software can keep a running history of when it was last calibrated, as well the information from the calibration itself.

Knowing where an instrument has been and how it has performed can help you plan for additional calibration time or even replacements without the panic or budget scramble of needing to buy a new instrument at the last minute.

Using Calibration Management Software you can:

- Manage assets
- Organize calibration schedules
- Store calibration procedures
- Build calibration reports

Asset management software

DPCTrack2 includes asset management capabilities. Combining the calibration management side with asset management can create benefits to make your life easier. For example, it gives you convenient access to all the information you need in one place.

Manage your calibration schedule

DPCTrack2 can also keep a running schedule of when instruments need to be recalibrated based on when they were last calibrated, following either manufacturer specifications or your company's preferences. The software can remind you when to get your instruments calibrated year after year.

Use the same calibration procedures each time

Allowing a instrumentation technician to perform a calibration, including As-found and As-left test results, the same way each and every time can streamline your process. A calibration software database can store the configuration information about each process instrumentation, where an administrator can then download the task to the calibrator, and any technician can follow the same procedure each time. Not only maintaining compliance and regulatory standards, but cutting down on needing to remember how or train a new technician every time.

Build calibration reports

Once the results have been uploaded back to the software and populated into the database, DPCTrack2 can create your reports. Making it easy to provide proof, maintain your data, or perform trend analysis. The reports can even be customized to meet your requirements.

Preventive maintenance program and condition monitoring

Calibration and condition monitoring go together very well. Which this part of your process may not be specifically part of using calibration software, it does help you catch possible issues before they get too big, especially when a tool isn't within its calibration specs.

Set up a preventive maintenance program where you regularly monitor the condition of your assets. Walk through your facility checking the vibration, temperature, and measurement output of your equipment.

As you do this regularly, and document it on software, you build a baseline of what's normal for each piece of equipment or tool. Over time,

when something is not running within its usual parameters or showing signs of stress, you know it's time to look closer and figure out what's wrong.

In most cases, this is where you would grab a more powerful tool to further investigate the possible issues. And, with most tools in process instrumentation, this brings our process back to the beginning: in order to accurately assess problems and repair the assets, you need tools that are properly calibrated.

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

www.fluke.com