20 reasons you need Manual MET/CAL®
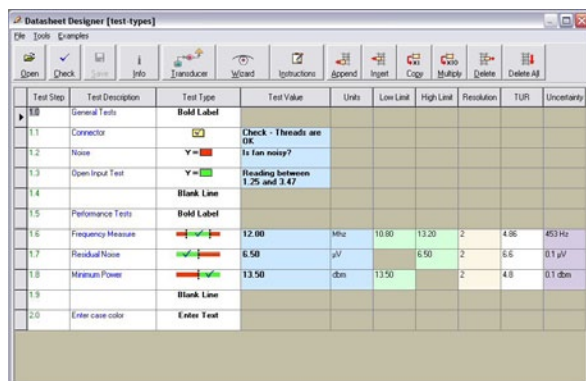## Calibration Management Software

With fewer resources and more workload to calibrate, you need all the help you can get to work efficiently and increase throughput. Here are **twenty reasons** why Manual MET/CAL software can help you get the job done.

1. Address the mechanical and dimensional part of your calibration workload—and more

If you use spreadsheets—or even pencil and paper—to keep track of your mechanical and dimensional calibrations, Manual MET/CAL offers you a database-driven solution that provides the efficiency and consistency you need.

2. Works seamlessly with MET/CAL® *Plus* software

If you use MET/CAL *Plus* software to automate part of your workload, Manual MET/CAL can be a great companion application, because it stores calibration data in the same MET/BASE database. And you can manage all of your calibration data seamlessly and efficiently through MET/TRACK® Asset Management Software, which is included in the MET/CAL *Plus* application.

3. Easy to learn

Manual MET/CAL software is quick and easy to learn. In fact, people who used it during early tests were able to get up and running in very little time, with only the user's manual for guidance. No additional training was necessary.

4. Easy to use

If you can use a simple spreadsheet, you can use Manual MET/CAL software. For collecting and recording data, the software uses "datasheets" that resemble the GIDEP (Government-Industry Data Exchange Program) and NAVAIR (Naval Air Systems Command) worksheets familiar to many calibration professionals.

5. No programming required

Wizards take you through datasheet creation process step by step. Datasheet designer "hot-keys" let you perform common tasks, like inserting a new test row, with a simple command. Test-types that determine how test readings are evaluated are available from a drop-down menu.


6. Calibrate more than one item at a time

Batch calibrations are a snap with Manual MET/CAL software. Take multiple data points at a time and keep track of everything, all at once.

Customers say...

"With manual MET/CAL I can create a manifold and plug in 100 transducers if I want to, and take 100 data points at a time. So now instead of doing one cal, I'm doing ten cals or 15 cals or whatever I want to do. Absolutely a lot less hands-on."

7. Create multiple reports in a single batch

When a calibration is complete on one or more items, run all of the required reports at once. One click and the job is complete.

8. Calibrate transducers

Add columns for transducer input and output units, at the click of a button. Manual MET/CAL software performs the mathematics needed to complete the datasheet.
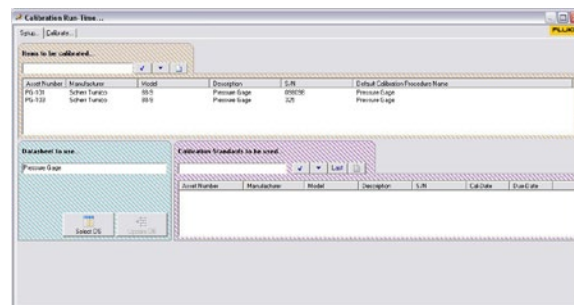

9. Calibrate consistently, time after time

Attach calibration instructions to a MET/CAL datasheet, and display them during calibration run-time. Make the instructions as detailed as you like, so even less experienced technicians can be performing calibrations and collecting data confidently and consistently every time.

10. Import instructions into Manual MET/CAL software

Create instructions in a word processing application, such as Microsoft® Word, then cut and paste the information into the Instruction Designer. Files in .txt or .rtf format can be imported directly. Also, Manual MET/CAL software and Microsoft Word can be open at the same time. To view the instructions in Word during a calibration, toggle the display between Word and the Manual MET/CAL software.
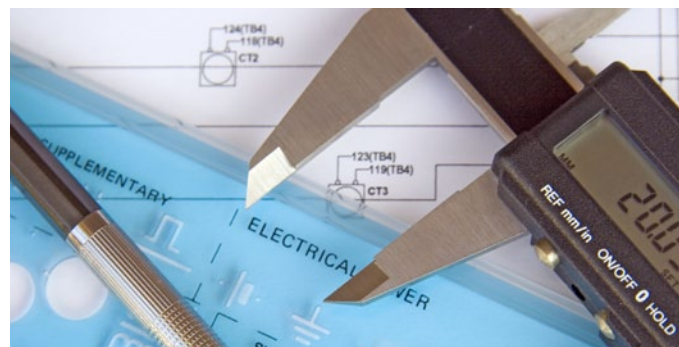
11. Average test readings

Average out hysteresis and noise by taking multiple readings per point (for example, torque wrenches).

12. Capture as-found and as-left data

This feature is useful if you encounter out-of-tolerance readings during a calibration and make corrections.

13. Add notes

Have something to say about a test that you'd like to record? Simply add a note.

14. Hibernate calibrations

Put lengthy calibrations into hibernation at the end of the day, and then start again the following day, or whenever your schedule permits.

15. Keep valuable data secure

Calibration data as well as datasheets are stored securely in the database. Five levels of security, from "read only" to "system manager," ensure that only authorized users gain access to the data.

16. Beep when out of tolerance

When enabled, the software makes a sound when the technician enters an out-of-tolerance value at run-time. If a test reading is found to be out of tolerance, it is displayed in red.

17. Include test uncertainty ratio (TUR) and measurement uncertainty in calibration results

Enter pre-computed TURs and uncertainty into Manual MET/CAL. It will be included in the calibration results when the calibration is complete.

18. Compare calibration results

A powerful results viewer lets you compare and analyze the results of several calibrations on one item, or calibration results from several models.

19. Create attractive reports

It's easy to create attractive reports in Manual MET/CAL software. A host of features make the job hassle-free:

- Separate and label each group of tests
- Pre-set the number of decimal places for each value. So, for example, the technician types in "1" for a reading and Manual MET/CAL enters "1.000" –readings will be formatted uniformly
- Print the As-Found and As-Left readings on the same line
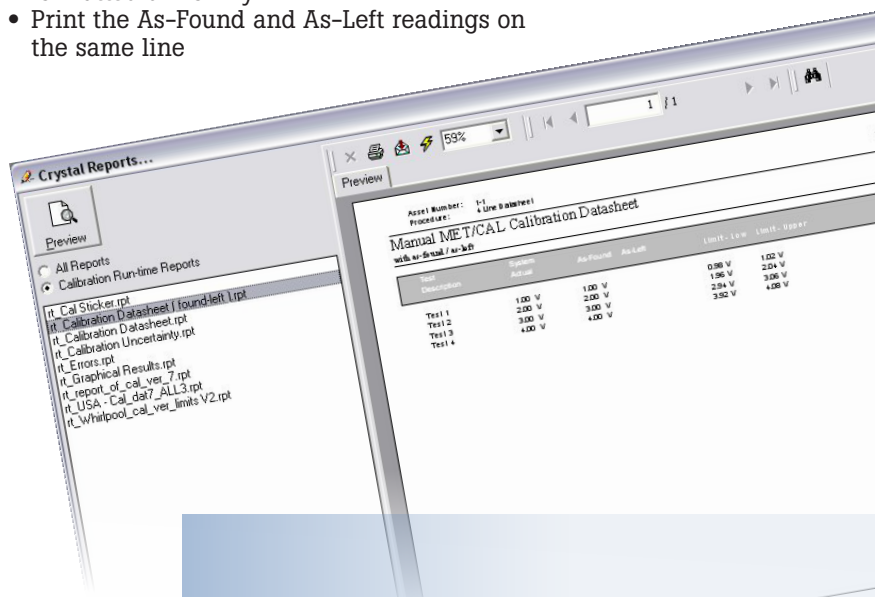
20. Crystal Reports

If you already use Crystal Reports to produce calibration reports, you can use them with Manual MET/CAL software too. So you don't need to create a lot of new report formats.

Total solutions in calibration

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