



FLUKE®

MET/CAL® Plus:
The complete solution for managing and
automating your calibration workload

DO:
- TRACK TEST EQUIPMENT

- NEG

- SE

- CREATE MET/CAL PROCEDURE

- CLAMP ME

- FIND CAL PRICE

WR6030

- AUDIT NEXT



Learning to operate MET/CAL is easy. The metrology expertise is built in.

MET/CAL® Plus supports the way your cal lab operates

Calibration labs have their share of challenges: an increasing and more complex workload; fewer technicians; a growing list of quality standards. Above all, there's constant pressure to reduce costs.

Fluke MET/CAL® Plus Version 7.1 calibration management software helps you to meet those challenges by managing and calibrating your workload more efficiently. It includes MET/CAL® – the industry-leading software for automated calibration and MET/TRACK® – a dedicated system to manage your test and measurement assets. It is the most complete software solution available to calibration professionals.

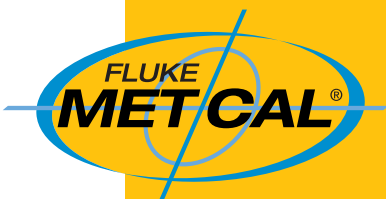
MET/CAL Plus supports the way your lab operates:

- Add new items to MET/TRACK just by typing information into a form.
- Generate recall reports.
- Perform fast, repeatable, and powerful automated calibrations.

- Store all parameters for every calibration test step for future reporting or analysis and a clear audit trail.
- Create and print ad hoc reports in Quick Report Builder or build your own reports using Crystal Reports Professional (included).

With all of these capabilities, Fluke MET/CAL Plus offers the most comprehensive calibration automation solution available. And we back it up with MET/SUPPORTSM Silver and Gold plans that help you get up and running and keep you as productive as possible. Join the worldwide community of calibration professionals who have discovered the value of MET/CAL Plus in increasing throughput and managing their calibration assets more efficiently.

Productivity improvements with MET/CAL



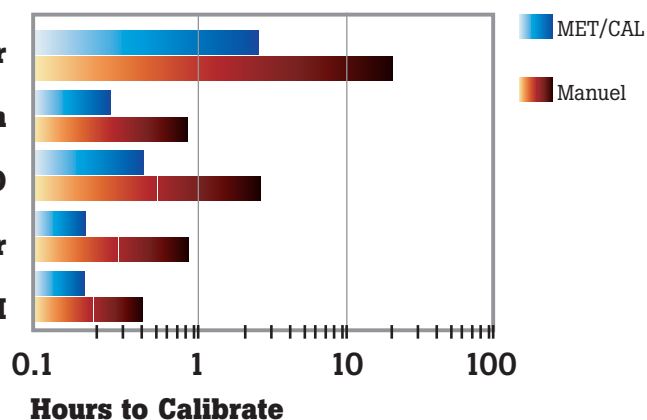
Spectrum Analyzer

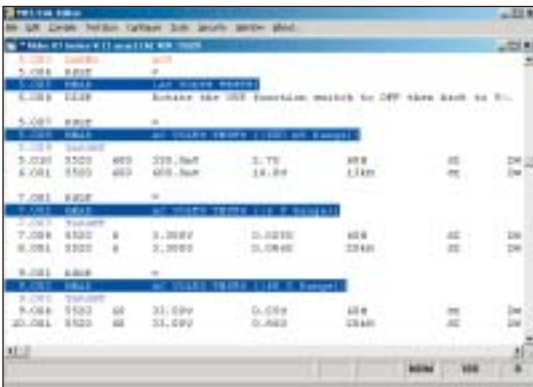
Signal Gen

DSO

Bench Meter

HH DMM





MET/CAL procedures are written as a series of test steps which are executed in sequence. The new color-capable Editor makes them even easier to read.

MET/CAL® delivers automated calibration that is both easy and powerful

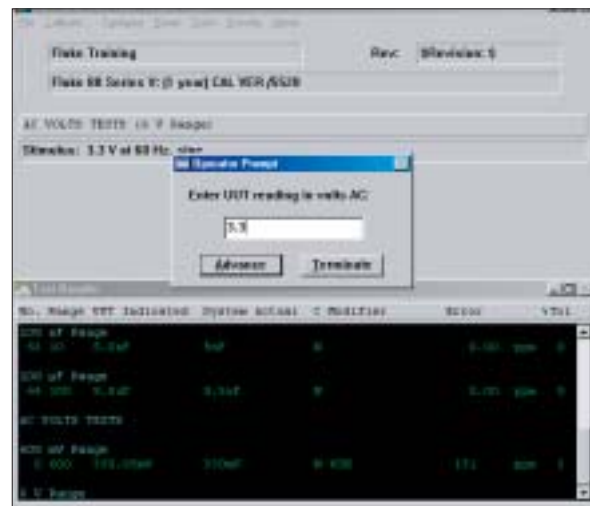
Users report that MET/CAL is four to eight times faster than manual calibration and provides consistent, fast calibration across your entire workload.

Fast and repeatable calibration

With self-documenting procedures, operators complete all tests and collect the appropriate data the same way every time. Plain language messages and graphics guide technicians through each step. These tools simplify operation and help the technician perform complex calibrations such as on RF generators or spectrum analyzers.

Monitor test results in a pop-up window, with color coding to indicate passed, marginal, or failed tests. MET/CAL captures complete calibration results. When the procedure is complete, results are saved to the database, where you can review them on screen

For simple assets, operators can enter test readings manually or slew the source until the UUT reads correctly. With more sophisticated instruments capable of IEEE control, readings are recorded automatically.



or print a certificate or report.

MET/CAL has built-in support for more than 70 different calibration standards.

Full storage of calibration data

A MET/CAL calibration record documents calibration status, history, adequacy, test details and traceability for all the test and measurement instruments you manage.

Rich reporting capabilities

MET/CAL includes a wide range of reports, prepared with the included Crystal Reports Professional. Reports can be modified to create your own custom reports.

MET/CAL fits easily into your quality system. Powerful measurement uncertainty tools provide operators with complete control over the uncertainty calculation.

And MET/CAL also finishes the paperwork, adding a new calibration record, which includes a list of the standards used, plus details of each individual test. This makes passing audits virtually automatic.

Choose from a large procedure library or write your own

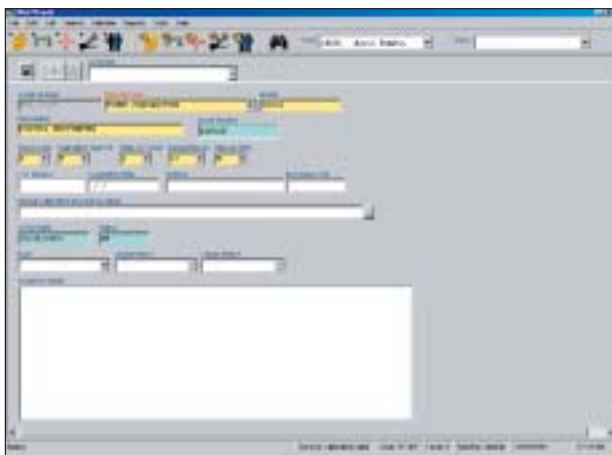
Write your own procedures using the MET/CAL colorized text editor, which uses a special calibration procedure language. Procedures for simple devices like DMM's, gauges, and mechanical tools are easy to create and may be generated by the Fluke AutoPro utility. Procedures for more complex items, such as spectrum analyzers and signal generators, can use a rich set of statements and functions that give the procedure writer complete control of the calibration process.



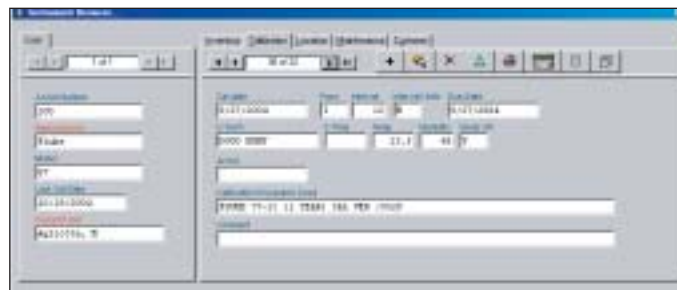
Simple automatic connection messages will guide the technician through procedure execution, or you can add graphics to make operator instructions clearer.



Printed reports and cal certificates document your calibrations. Reports can be reproduced if needed to support lab audits.



Adding inventory items in MET/TRACK is as easy as typing into a form.



MET/TRACK makes it easy to locate an asset and display complete histories of all calibration and maintenance events.

Manage metrology assets the easy way with MET/TRACK®

MET/TRACK is the powerful test and measurement database management system that manages inventory, calibration, location, maintenance, and customers for MET/CAL Plus. MET/TRACK delivers flexibility, power, and security that is not available in generic database applications. And it supports the traceability and record-keeping requirements of quality and accreditation standards, including ISO/IEC 17025, ISO 9000, QS 9000, EN 45000, ANSI Z540, and MIL STD 45662A – without requiring you to write your own programs, set up your own databases, or test and document the system.

Reporting to meet a wide range of requirements

For fast ad-hoc reports, MET/TRACK includes the Quick Report Builder. MET/CAL Plus also offers a variety of standard reports prepared with Crystal Reports™ Professional. Crystal Reports

provides the power to create professional custom reports, lists, and labels. Its graphical user interface makes it easy to use, and its powerful query tools quickly find meaningful data.

Data integrity you can count on

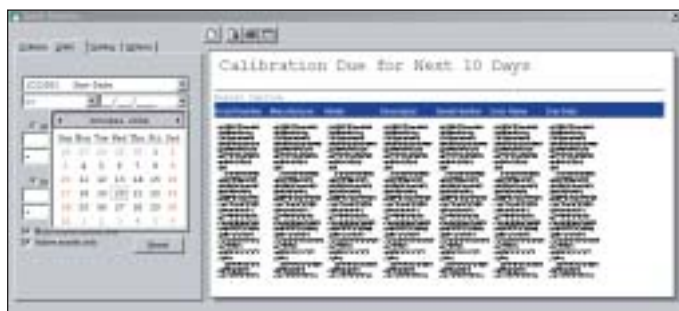
To ensure that information is entered correctly every time, MET/TRACK offers two types of data validation, where you can set up drop-down lists or “choice lists” to ensure that critical data is always entered consistently.

To make data entry even faster and more accurate, you can link key fields on MET/TRACK forms so that selecting an item in one field causes other fields on the form to populate automatically. For example, selecting “87” in the model field might set the manufacturer’s field to “Fluke” and the description field to “DMM.”

Unmatched security

Five levels of security, from “read only” to “system manager,” ensure that only authorized users gain access to your data. Additional security features include establishing expiring passwords and minimum password lengths.

Virtually any type of instrument – electrical, mechanical or dimensional – can be managed with MET/TRACK, even if it doesn’t require calibration. And, whether the calibration interval is measured in days, weeks, months, even use cycles, you can count on MET/TRACK to keep you up to date.



For fast ad-hoc reports, MET/TRACK includes the Quick Report Builder.

Asset Number	Qty	Model	Description	Unit	Use Name	Next Due Date
1001	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1002	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1003	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1004	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1005	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1006	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1007	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1008	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1009	1	87	Handheld Multimeter	MM	Agilent	10/10/04
1010	1	87	Handheld Multimeter	MM	Agilent	10/10/04

Standard report (included) lists all assets due for calibration.



Thousands of pre-written warranted and example procedures are available from Fluke.

A total integrated calibration solution that scales to meet your needs

MET/CAL® Plus features modular architecture so that you can acquire exactly the capability you need, and add to it as your requirements change. Its client/server architecture and industry-standard SQL database ensure that MET/CAL scales from a single personal computer to multiple workstations attached to your network.

Choose from a variety of MET/CAL Plus modules to create the system that you need.

- MET/BASE 7 is the engine of your system. It includes the SQL database, all the MET/CAL Plus 7.1 programs and the Crystal Reports Professional report writer.
- MET/CAL-L is a single, concurrent MET/CAL license and a single concurrent MET/TRACK license.
- 5500/CAL-L provides a single concurrent license for its automation and MET/TRACK® functions. Its automation capabilities are similar to those of MET/CAL, but are designed around RS-232 (serial) instrument control, making it ideal for use with laptop computers. 5500/CAL is designed to work with the Fluke multi-product and oscilloscope calibrators, and any other instrument with a serial interface supported by MET/CAL.
- MET/TRACK-L provides a concurrent license for the test and measurement asset management capabilities of MET/CAL Plus. This is for applications that require only asset management.
- The Metrology Xplorer option allows you to view MET/CAL Plus database data through a Web browser from any workstation connected to your network. It's ideal for sites where the

corporate intranet is used to access and distribute information. Metrology Xplorer can also be used to access MET/CAL Plus calibration and asset information and reports over the Internet. Stringent user security keeps your vital information private from unauthorized eyes.

- Warranted procedures for MET/CAL Plus. These optional calibration procedures are written by Fluke metrologists to satisfy your need for ready-to-go, fully tested procedures. They are warranted by Fluke Corporation to follow the item's recommended calibration procedures. The warranty assures you of Fluke's full support for the original, unaltered procedure.
- Barcode Magician® software enables you to make real-time batch updates to your MET/CAL Plus database. Barcode Magician uses either a simple barcode reader or the keyboard to increase productivity while reducing data entry errors.
- E-Mail Notification from On Time Support allows you to schedule the delivery of e-mail from the MET/TRACK application.
- Change/Log from On Time Support keeps track of changes to MET/TRACK tables.
- The 5000A-RH/T precision Humidity and Temperature Data Logger enables MET/CAL to read temperature and humidity directly into a calibration record as you start to run a procedure.
- Fluke 5020A Thermo-Hygrometer is a dual-sensor, graphical data logger/analyzer offering precise real-time and historical display and analysis of temperature and humidity data. It includes an interface to MET/CAL for importing data into calibration records.

Ongoing support how and when you need it

When you register MET/CAL Plus, you're enrolled automatically in the MET/SUPPORTSM Silver program for 60 days of free support via telephone, fax, and e-mail to help get you up and running. But that's only the beginning.

Enrolling in the annual MET/SUPPORT Gold program gives you additional premium support and services to help you get the most from MET/CAL Plus. This provides you with priority access by telephone, fax, or e-mail; free access to the Fluke library of more than 1,300 warranted procedures; software updates and upgrades; discounts on training courses; custom procedure development; database repair

services; and more all for a fixed fee. Using just a few of the Gold services will pay for the cost of your membership fee.

Fluke provides additional benefits as well, including invitations to user group meetings and conferences, and a MET/CAL newsletter.

MET/CAL training

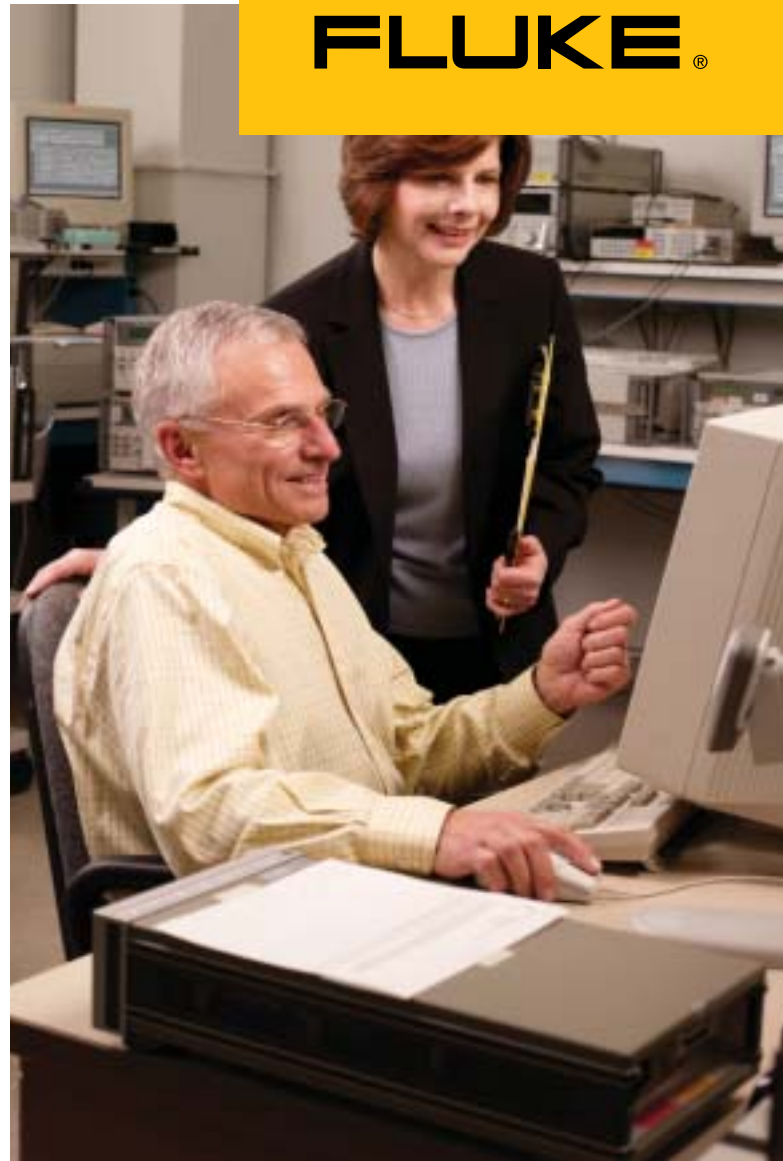
New MET/CAL users can get up to speed quickly by attending training. Classroom, online, and CD-ROM based training is available to meet a wide variety of learning preferences and budgets. Visit the training center at www.fluke.com/caltraining for a current list of classes and schedules.



New MET/CAL users can get up to speed quickly by attending training. Traditional classroom, web-based, and CD-ROM training are available.

Ordering Information

MET/CAL-L	License disk for MET/CAL. Includes capabilities of 5500/CAL and MET/TRACK. MET/BASE 7, or earlier version required.
MET/CAL-LU	License disk upgrade. MET/BASE 7 and serial number for prior version (5 or newer) of MET/CAL required.
5500/CAL-L	License disk for 5500/CAL. Includes capabilities of MET/TRACK. MET/BASE 7, or earlier version required.
5500/CAL-LU	License disk upgrade. MET/BASE 7 and serial number for prior version (5 or newer) of 5500/CAL required.
MET/TRACK-L	License disk for MET/TRACK metrology property management software. MET/BASE 7, or earlier version required.
MET/TRACK-LU	License disk upgrade. MET/BASE 7 and serial number for prior version (5 or newer) of MET/TRACK required.
MET/BASE-7	Calibration Software Database System. One or more MET/CAL, 5500/CAL and/or MET/TRACK license disks required for use.
MET/BASE-7U	Upgrade MET/BASE from V5 or later to current version. Upgrade licenses are also required for systems running MET/BASE older than 7.0
METROLOGY XPLOER	Web-based data viewer for MET/CAL and MET/TRACK, with Reports
BC MAGIC BASIC	Barcode Magician Basic automated data entry
BC MAGIC PLUS	Barcode Magician Plus enhanced version
CHANGE/LOG	Records changes made to the MET/TRACK Database
MET/CAL E-MAIL	Automated E-Mail generation
5000A-RH/T	Humidity/Temp logger W/CBL, software and CAL cert
5020A-S	Thermo-hygrometer, DewK, standard accuracy (Requires 5020A-LW3)
5020A-H	Thermo-hygrometer, DewK, high accuracy (Requires 5020A-LW3)
5020A-LW3	LOGWARE III Software
MET/CAL-CBT7	Computer-based MET/CAL training (CD)
Scheduled Training	Scheduled courses available
MET/SUPPORT GOLD	Priority support agreement for one workstation. For additional workstations contact sales representative



With MET/CAL Plus, passing quality audits is a snap.

FLUKE®

Fluke. Keeping your world up and running.

For more information or to place an order, contact your local Fluke representative.

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