

FLUKE®

FLUKE®

Fluke Precision Measurement

Summary selection guide

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

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Electrical Calibration

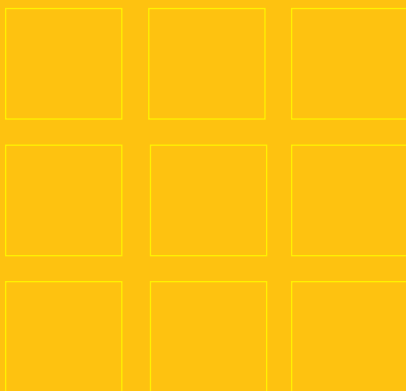
Temperature Calibration

Pressure and Flow Calibration

FLUKE®

Fluke helps you make the most demanding measurements in a broad range of disciplines

When you think about Fluke and calibration, you might think about dc/low frequency electrical calibrators and standards. But did you know that Fluke provides products and services that span a broad range of parameters and applications for the cal lab and beyond?



This selection guide presents a very brief introduction to the calibration and precision measurement products and services offered by Fluke, Fluke's Hart Scientific division, and DH Instruments, a Fluke Company.

$\pm 0.2 V$
 $\pm 0.01 \%$

$\pm 0.01 \%$

°C

ppm

$$q = \frac{m}{t}$$

kPa



For detailed information about Fluke Precision Measurement products and services, visit www.fluke.com/fpm.

Electrical calibration

Innovative solutions for wide workload coverage

- Multi-product calibration solutions for calibrating digital and analog meters, oscilloscopes, insulation and continuity meters, current clamps, process calibrators, power harmonics analyzers, and much more
- Dedicated single and multi-channel oscilloscope calibrators
- RF reference sources provide precision levelled sine, modulation and low phase noise signals
- Primary and secondary sourcing and measurement standards
- Solutions that meet the needs of today's laboratories for traceability, quality and accreditation while also being portable, easy to use and easy to support



Inset photos: 5520A Multi-Product Calibrator (top), 9640A RF Reference Source (center), 8508A Reference Multimeter (bottom)

For more information, go to www.fluke.com/fpm

Electrical safety calibration

Verify and calibrate a wide range of electrical test tools with a single instrument

- Multifunction electrical safety tester calibrator for calibrating megohm meters, insulation meters, portable appliance testers, RCD/GFCI testers, earth resistance testers, ground bond testers, hipots and many more types of electrical safety testers
- Replace resistors, decade boxes, and other custom calibration solutions with a single instrument



Inset photo: 5320A Electrical Safety Tester Calibrator

For more information, go to www.fluke.com/fpm

Power and energy calibration

Measurement validation and calibration for electrical power applications

- Precision power, power quality, and energy calibrators source up to four phases of traceable sinusoidal and complex non-sinusoidal power, with harmonics, dips, sags, and flicker components, for testing power quality and revenue meter compliance with IEC and ANSI electrical power standards
- Single phase power quality instrumentation calibration option for multi-product calibrator increases workload coverage



Inset photos: 6100A Electrical Power Standard (top), 5520A Multi-Product Calibrator (bottom)

For more information, go to www.fluke.com/fpm

R&D, manufacturing and test

Precision and versatility to handle the most demanding measurements

- Digital multimeters have precision and versatility for bench or system applications
- Function, pulse/function and universal waveform generators meet a broad range of signal source requirements and offer maximum value
- Portable and stationary data acquisition systems include multiple options for collecting and transferring data
- Economical counters and timer/counters offer state-of-the-art performance
- Frequency counters and standards, including the world's first truly traceable GPS-disciplined frequency reference

Inset photos: 8846A 6.5 digit Precision Multimeter (top), 294 Waveform Generator (top center), 2635A Hydra Data Bucket (bottom center), PM 6690 Frequency Counter/Timer/Analyzer (bottom)

For more information, go to www.fluke.com/fpm





Calibration software

MET/CAL® Plus calibration software

The complete solution for automating calibration processes plus managing and reporting measurement assets

COMPASS® software

Assists and fully automates all your pressure and gas flow calibrations

Data acquisition software

Software included for instrument configuration and data analysis; optional software tools support almost any research or industrial application

FlukeView® Forms software for Fluke 8845A/8846A DMMs

Document, store, and analyze individual readings or series of measurements, then convert them into professional-looking documents

Hart temperature calibration software

Log and analyze data in real time, with plug-and-play compatibility with all Hart temperature products

For more information, go to www.fluke.com/fpm

FLUKE®

Hart Scientific®

Contact temperature calibration

Unparalleled accuracy, versatility, and productivity-enhancing features, at great values

- Everything you need for calibrating temperature sensors, including SPRTs, PRTs, thermistors and thermocouples
- Constant temperature baths and dry-block calibrators offer unmatched stability
- Primary temperature standards are used in national metrology institutes around the world
- Exceptionally accurate, easy-to-use thermometer readouts and probes

Inset photos: 5901 Series Triple Point of Water Cells (top), 914X Series Metrology Wells (center), 1523/1524 Reference Thermometers (bottom)

For more information, go to www.fluke.com/fpm



FLUKE®

Hart Scientific®

Non-contact temperature calibration

Accuracy and traceability for infrared measurements

- Accurate, reliable performance in a radiometrically calibrated IR calibrator
- Portable IR calibrators to certify IR thermometers



Inset photos: 4180/4181 Precision Infrared Calibrators (top), 9133 Portable IR Calibrator (bottom)

For more information, go to www.fluke.com/fpm

Pressure calibration

**When “as good as possible”
is the driving specification**

- Primary and transfer pressure standards covering the complete pressure range
- Compact, easy to transport, all-in-one, integrated calibrators for use in field or lab
- Top-of-the-line pressure generating, controlling and interconnecting accessories
- Full range of pressure controllers, calibrators and monitors with manual to fully automated operation



Inset photos: PPC4 Pressure Controller/Calibrator (top),
E-DWT Electronic Deadweight Tester (bottom)

For more information, go to www.fluke.com/fpm

Flow calibration

Reliable gas flow calibration

- Mass flow calibration system based on patented designs to reach new levels of precision and stability over time
- Only commercially available primary flow standard based on the direct measurement of the fundamental units of mass and time



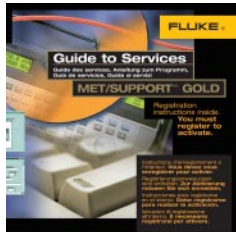
Inset photos: molbox1™ (top), molbloc-L™ (bottom)

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Value-added services

We're here when you need us

- Accredited electrical, temperature, pressure and flow calibration laboratories
- Instrument upgrades and recalibration
- In-warranty and out-of-warranty repair services
- Calibration contracts and flat-rate pricing
- Priority extended warranty programs
- Training seminars in theoretical and practical calibration applications
- Asset management programs
- On-site services



Inset photos: MET/SUPPORT Gold software support (top), Priority Gold CarePlan, Silver CarePlan (middle), Product upgrades (bottom)

For more information, go to www.fluke.com/fpm