

# Fluke calibration products to fit your job requirements

## DC/LF electrical and RF calibrators and standards

### 5080A Multi-Product Calibrator

#### Calibration solutions for your analog and digital workload

- High compliance voltage and current
- Protection circuitry
- Calibrates a wide workload, including analog meters and 3.5 and 4.5 digits DMMs
- Optional Manual MET/CAL® Plus software for paperless data collection and reporting



### A40B Series Precision Current Shunts

#### Precision, low inductance shunts for DC and AC current metrology

- Simplifies calibration/verification of precision calibrators and current sources
- Shunts sized for currents from 1mA to 100A
- 14 individual shunts with a 1, 2, 5 sequence over 6 decades of current
- Simple direct measurements, making ac/dc transfers unnecessary
- Stability typically better than  $\pm 5.0 \mu\Omega/\Omega$  for one year
- Angular accuracy of better than  $\pm 0.003^\circ$  at 1 kHz



### 5320A Multifunction Electrical Tester Calibrator

#### Verify and calibrate electrical test tools with a single instrument

- Calibrate megohm meters, earth resistance testers, ground bond testers, hipots and many more types of electrical safety testers
- Uses less bench space than custom solutions
- Easy integration with MET/CAL® Plus Calibration Management Software for higher throughput to reduce cal time even more
- Built-in graphical calibration help guide



### 910/910R GPS Controlled Frequency Standards

#### The first truly traceable, ultra stable GPS-disciplined frequency references

- The world's first truly traceable frequency reference
- Cesium-controlled frequency via GPS satellites
- Accurate frequency and time references anywhere in the world
- Frequency comparator and secondary standard united in one unit



### 6105A/6100B Electrical Power Standards

#### The most accurate, comprehensive and flexible sources of electrical power quality and energy signals

- Configurable from one to four independent phases
- Fully independent control of voltage and current on each phase
- 1 kV and choice of 21 amps, 50 amps or 80 amps available on each phase



### 9640A RF Reference Source

#### A unique combination of level accuracy, dynamic range and frequency in a single instrument

- Built-in signal leveling and attenuation
- 9640A-LPN adds low phase noise performance for more demanding workload coverage
- Level accuracy up to  $\pm 0.05$  dB from 10 Hz to 4 GHz, which gives you performance and precision equal to—or better than—the HP 3335A over a wider frequency range

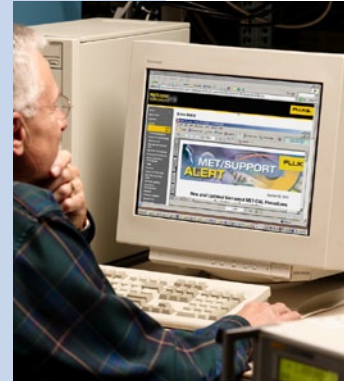


## Calibration software

### MET/CAL® Plus 7.3 Calibration Management Software

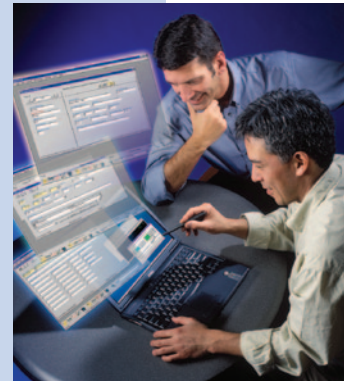
**The complete solution for automating calibration processes plus managing and reporting measurement assets**

- Support the following new FSCs
  - 5080A
  - Agilent ESA-E and ESA-L Spectrum Analyzers
  - 6100B and 6105A
  - Clarke-Hess 8100 Transconductance Amplifier
- Support Windows Vista, 7 and 2008 (32 and 64 bit)
- Improved installation to use Windows Standard directory structure



### MET/TRACK® Metrology Asset Management Software

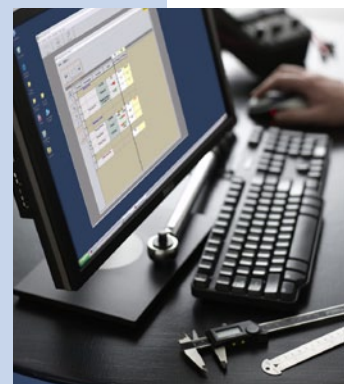
- Support Sybase 11
- Support Windows Vista, 7 and 2008 (32 and 64 bit)
- Improved login performance on large databases
- New Data Import Tool
- New on-line help that references the manual, eliminates dated help file
- Several other fixes and minor improvements
- Improved installation to use Windows Standard directory structure



### Manual MET/CAL® Calibration Management Software

**The easy, efficient way to collect, store and report calibration data**

- Collect and manage calibration data for mechanical or dimensional instruments
- Perform batch calibrations
- Prepare professional looking reports
- Works seamlessly with, and excellent supplement for MET/CAL® Plus software



## Bench multimeters

### 8845A/8846A Digital Multimeters



#### Precision and versatility for bench or systems applications

- 6.5 digit resolution; basic V dc accuracy up to 0.0024 %
- Dual, graphical display
- Wide Volts, ohms and current measurement ranges
- Trendplot™ paperless recorder mode, statistics, and histogram
- 2 x 4 ohms 4-wire measurement technique
- USB memory drive port (8846A)
- Capacitance and temperature (8846A)

### 8508A Reference Multimeter



#### Reference standard accuracy and stability, in one functionally versatile, easy-to-use solution

- 8.5 digit resolution
- Precision ratio measurement using both front and optional rear input terminals
- True Ohms with CURRENT REVERSAL to protect from thermal emf errors
- 20 amp current measurement

## Service and support

### Silver CarePlans



#### Extended warranty for your Fluke instrument

- Extended warranty coverage for your instrument beyond your original factory warranty (includes calibration at time of needed repair)
- Free product updates (PCNs) performed at the time of repair
- Two-and four-year plans available

### Priority Gold CarePlans



#### With a Fluke Priority Gold CarePlan, you and your calibrator are covered.

- Calibrations
- Repairs
- Priority Service

Compare CarePlan costs to standard service costs. For only a small difference, your calibrator can also be protected from unexpected repair expenses, freight costs and unexpected delays in calibration service.

**White papers, application notes, and seminars**



**Product and how-to information to help you maximize your investment in instruments and software**

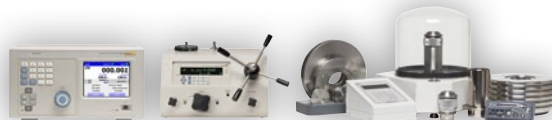
- Want to know how to improve calibration test ratios? Fluke has published a white paper and recorded a web seminar on the topic. Just visit [www.fluke.com/maximize](http://www.fluke.com/maximize) to download everything.



**Total solutions in calibration**

Fluke Calibration provides the broadest range of calibrators and standards, software, service, support and training in electrical, temperature, pressure, RF and flow calibration.

Visit [www.fluke.com/FlukeCal](http://www.fluke.com/FlukeCal) for more information about Fluke Calibration solutions.



**Pressure and flow calibration**

- High performance pressure and gas flow standards
- Accredited pressure and gas flow calibration services
- Calibration process software
- Services and training



**Temperature calibration**

- Temperature and humidity calibrators and standards
- Temperature calibration software
- Services and training



**Electrical calibration**

- DC/LF electrical calibrators and standards
- Power calibrators and standards
- RF calibrators
- Timer/counters and frequency standards
- Calibration software
- Services and training

