

## 5700A/EP Upgrades

Now available under Government Services Administration (GSA)



The 5700A/EP Upgrade improves the accuracy of your 5700A Multifunction Calibrator at half the cost of a new calibrator.

## Technical Data

### Take your 5700A to a whole new level of performance—and a new warranty

The 5700A/EP is an upgrade service that extends both the performance and service life of your existing 5700A Multifunction Calibrator. Through the installation of new hardware and software, your working 5700A, no matter how old, will be brought up to the performance equivalent of a state-of-the-art 5720A, at half the cost of a new calibrator.

### Upgrade benefits

- 40 % improvement in uncertainty specifications. Give your 5700A the performance you need to quickly, easily and reliably meet your most demanding dc and low frequency ac calibration workload, including DMMs up to 8 1/2 digits.
- Extensive hardware and firmware upgrades and replacements bring your 5700A up to the latest production configuration.
- Choice of 99 % or 95 % confidence levels on specifications. You can trade a small amount of risk for lower uncertainties, and simplify the intercomparisons of measurements by using the internationally accepted and more aggressive 95 % confidence specifications. Or use the conservative 99 % specifications Fluke traditionally publishes. Both are available, after the upgrade, at the press of the SPEC key on the calibrator's front panel.

- Additional emulation of the 5200A AC Calibrator in automated systems. With the upgrade, you can replace the now obsolete 5200A in automated systems with minimal changes to your software.
- A new screen saver for the front panel message display extends the display life.
- A new one-year warranty.

### How the upgrade process works

Due to the rigorous stability testing required, normal turnaround time for the upgrade process is six to eight weeks. Upon placing your order, a Fluke service representative will contact you to schedule your 5700A into the upgrade facility. Approximately one week prior to your scheduled date, you will receive a shipping container for returning your 5700A to Fluke.

Once your calibrator arrives at Fluke, the upgrade proceeds in three phases:

1. All outstanding engineering changes (PCNs) are made. The upgraded hardware is installed, along with new firmware. Nearly one-third of the 5700A's modules are replaced, including the vacuum fluorescent displays and front panel keypad. A label indicating that the 5700A/EP upgrade has been installed is affixed to the calibrator rear panel.
2. Your unit is monitored to evaluate and verify the improved stability.
3. Final test, calibration and verification are performed and the unit is packaged for return shipment to you. Note: If your 5700A is not in working condition, the cost of any required repairs will be estimated in advance.

## Common questions

### **How long does the upgrade take?**

Normally, six to eight weeks, including transit to and from Fluke. Your Fluke service representative will provide estimated start and delivery dates for scheduling your unit for upgrade.

### **How do I schedule my upgrade?**

Once you place your order, a Fluke service representative will contact you to schedule the work. In this way, the time your 5700A is out of service is reduced to a minimum.

### **Can a malfunctioning instrument be upgraded?**

Yes. There may be additional charges for repairing the instrument.

### **Can special versions of the 5700A be upgraded?**

Yes, most special models such as the 5700A/AN and 5700A/AN-1 can be upgraded with the /EP option. However, check with a service representative for upgrade compatibility for your specific model.

### **How do I get an accredited certificate of calibration?**

An accredited calibration is included with your upgrade order (NVLAP, A2LA, DKD, RvA ).

### **Are any identification labels disturbed during the upgrade?**

No, except for any seals that need to be broken during disassembly.

### **Does my serial number change?**

No, your 5700A will retain its existing serial number. Information installed in firmware will reflect that the upgrade is installed.

### **Will my upgraded 5700A still work with my MET/CAL® procedures or other software?**

Yes, as a 5700A. If you wish to take advantage of the improved uncertainty specifications and choice of confidence levels—particularly when using MET/CAL—some changes to your procedures will be necessary. You may also require a later version of MET/CAL. Contact your Fluke sales representative for more information.

### **Does this upgrade affect my DOD approved calibration procedures?**

No, all procedures will work properly in upgraded instruments.

### **How do you distinguish an upgraded 5700A from a standard model?**

Identification information is stored in the instrument's firmware and displayed at powerup. A label is also installed on the calibrator's rear panel.

### **What are the specifications for the upgraded 5700A?**

A 5700A with the upgrade installed offers the same capabilities as a 5720A. Uncertainties for any output value can be viewed by pressing the front panel SPEC key. Published specifications are available in the manual, and in Fluke data sheet #1268275 (Pub ID 10800), Extended Specifications.

### **What is included with the upgrade?**

- Return shipment to your facility
- Several new modules, including a new vacuum fluorescent display and front panel keypad, and labor
- Required engineering changes
- A new operator manual and guides
- Accredited certificate of calibration
- Transit case (on some models)

### **Are there any changes to the wideband voltage option?**

No. If installed, it is verified as part of the upgrade.

### **Are different Artifact Calibration Standards or uncertainties required for the upgraded unit?**

No. The 5700A and 5720A use the same three standards for calibration, a 732B, 742A-1 and 742A-10k.

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

## Ordering information

|                          |  |
|--------------------------|--|
| 5700A -> EP UG           | 5700A Upgrade to EP version                          |
| 5700A/03 -> EP UG        | 5700A/03 Upgrade to EP version                       |
| 5700A->EP UG w/Case*     | 5700A Upgrade to EP version includes transit case    |
| 5700A/03-> EP UG w/Case* | 5700A/03 Upgrade to EP version includes transit case |

\*Models available under GSA contract

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