

5500A 600 MHz Enhancement Program

Technical Data

Rejuvenate your 5500A by adding scope cal capabilities

The 5500A Enhancement Program is designed to increase your 5500A Multi-Product Calibrator's performance through additional flexibility and increased accuracy. The upgrade to a 600 MHz oscilloscope calibration option increases the range of your capabilities and will also increase the service life of your instrument, because you get a full instrument one-year warranty with the enhancement installation. And, your working 5500A will be brought up to current performance standards through the installation of the scope option and all the latest product updates. All work is performed at Fluke's manufacturing facility in Everett, Washington, USA, with rigorous testing and calibrated to either NVLAP or Z540-1 specifications.

Bonus feature:

Fluke will repair or calibrate your 5500A for free when you purchase a scope enhancement while your instrument is in for service. (Must meet Flat-Rate Repair criteria)

Upgrade benefits

- Increase the capabilities of your cal or service lab as technology and requirements for higher performance scopes increases.
- Increase technical capabilities and accuracy specifications:
 - Voltage source (dc and square wave) for vertical amplitude calibration

- Edge source including a 300 ps fast edge with low aberrations for verifying dynamic response
- Leveled sine wave generator to 600 MHz, with excellent flatness and amplitude accuracy for verifying bandwidth
- Time marks in pulsed sawtooth, square and 20 % pulse wave forms from 5 seconds to 2 ns with ± 2.5 ppm frequency uncertainty and low jitter for horizontal time base calibration
- Waveform generator with square, sine, triangle wave forms for triggering
- TV trigger for NTSC, SECAM, PAL and PAL-M with line marker
- External trigger output for time marks, fast edge, voltage and pulse modes
- Input resistance, capacitance and overload testing
- Pulse generator with variable width and period to verify pulse response and horizontal deflection
- Reduce cost and increase efficiency for a major part of the workload.
- Give your lab more flexibility by increasing expanded scope cal stations at peak times.
- Allow expanded scope scheduling flexibility. More scope calibrations can be done at one time or they can be spread out more evenly to keep the workload consistent and solidify manpower requirements.



How the enhancement process works

Normal turn-around-time for the enhancement upgrade is approximately 10 days from the time Fluke receives the unit. Upon placing your order, a Fluke representative will contact you to schedule your 5500A in the service facility.

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

1. Your unit is completely tested to ensure operational capability.
2. All outstanding engineering changes (PCNs) are made. The upgrade hardware is installed along with new firmware.
3. Your unit is sent to final test for verification and calibration (Z540-1).

Shipping

The customer pays the shipping cost to and from Fluke.

Frequently asked questions

How long does the upgrade take?

Normally ten days if no repairs are required.

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 5500A is out of service is reduced to a minimum.

Do you have a loaner/rental unit available?

Generally we do not have rental units, but your Fluke sales representative can discuss other rental options.

How do I get an accredited certificate of calibration?

Accredited calibration is available for the 5500A.

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 5500A will retain its existing serial number. Information installed in the firmware will reflect that the upgrade is installed.

Will my upgraded 5500A still work with my MET/CAL® procedures or other software?

Yes. New MET/CAL procedures will need to be developed to reflect your new capabilities.

How do you distinguish an upgraded 5500A from a standard model?

The new options will be activated at the front panel.

What are the specifications for the upgraded 5500A-SC600?

A 5500A with the SC600 option installed offers the same capability as a 5500A. Published specifications are available in the manual, on the web at calibration.fluke.com, and in a Fluke data sheet (literature code 1265775).

What comes with the upgraded unit?

- Enhancement Installation
- One-year full instrument warranty
- Z540-1 calibration with data
- Product reliability improvements

Ordering Information

Model

5500A SC600 Enhancement

Fluke. Keeping your world up and running.

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