

# MORE FPM CALIBRATORS OFFER IMPROVED VALUE WITH Z540 CAL CERTS PROVIDED AT NO EXTRA CHARGE

## **Z540 Calibration Certificates Are Now Standard with key Norwich Instruments & 5XXX Scope Calibrators & 57XX Wideband Options**

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Many USA customers need full Z540 compliant certificates on new electrical calibrators. In the past Z540 was only offered on Everett manufactured calibrators and it was inconsistent – on certain popular options it was not available without doing additional calibrations and incurring extra charges.

In response FPM has upgraded the calibration reports that come standard on many instruments that previously were supplied with basic traceable certs. Read on for NEW information on three key improvements:

1. **Z540A Cal Certs for Norwich Products:** Because customer's need for Z540 compliant certificate with their new instruments, FPM's Norwich factory changed their standard certificates to meet Z540 requirements. So no longer will Norwich instruments be re-calibrated in the USA prior their customer delivery. This will improve delivery times and adds value to our standard product. The following instruments now come standard with a Z540 calibration certificate including data:
  - 6100A Family of Electrical Power Standards
  - 8508A Family of Reference Multimeters
  - 9100 Family of Multi-Product Calibrators
  - 9500B Family of Scope Calibrators
  - 9640A Family of Precision RF Sources
2. **Z540A Cal Certs for 600MHz & 1GHz Scope Calibrators.** The Everett factory has improved the calibration process on the factory's cal systems so most scope calibrators and scope calibration options will have Z540 certificates standard. This will eliminate the need to have these instruments sent to the Everett service center for recalibration prior to delivery. This improves the delivery time and adds value. The following scope calibrators & scope calibration options will come with Z540 calibration certificates standard when new:
  - All 5820A configurations
  - 5500A/6
  - 5520A/6, 5520A/1GHZ
  - 5520A -PQ/6, 5520A-PQ/1GHZ (But PQ option will still only be traceable with data)

**NOTE: The 300MHz scope calibration options on new 5500As and 5520As will continue to be delivered with certificates that are traceable with data as standard.** Due to technical reasons, the standard factory based calibrations do not meet Z540 calibration certificate requirements. So it will remain for all new 55XXA calibrators with a 300MHz scope option, which must have a Z540 certificate, the scope option will require an additional calibration done by the Everett service center. This calibration will continue to be optional service (ordered as item number 1256480) and have an additional charge.

3. **Z540 Cal Certs for the 57XXA/3 Options:** Other Everett factory improvements now permit the standard calibration certificate for the wideband option on the 57XX series of calibrators to come with a Z540 cal cert as standard. This will no longer be an optional calibration done by the Everett service center at an extra charge. Again this improves delivery time, and adds value to our standard product.

These improvements both remove inconsistencies in standard calibration certificates between popular products, and offer the customer a better value product, without compromising delivery times.

Watch for announcements on the FPM Partner Portal that will provide a reference table that lists standard and optional calibrations for FPM products.

**FLUKE**

**Fluke Calibration  
Certificates**

A guide to understanding different types of  
calibration certificates and certificate terminology

This Corporation is a supplier of a variety of electrical testing and measurement instruments. Fluke is also a provider of precision measurement instrumentation used in calibration and traceability in various areas of metrology. Additionally, Fluke provides repair and calibration services for many different test instruments. In each of these roles, providing calibration services plays a part which is very important, but sometimes ignored.

Also, Fluke is a company with a presence throughout the world. Quality manufacturing is done from a series of worldwide facilities. Additionally, the calibration and repair services are done at different national service centers throughout the countries from which Fluke services its customers. Out of the national and local service networks, these can be seen reflected in the calibration certificates that Fluke provides.

While these relations are very noticeable and acceptable, the differences do take character from users of the test instruments. Fluke frequently is asked questions about what different types of calibration and testing reports are available with our products and services, what the different reports are, what reports and certificates accompany new instruments and what are available optionally. The most important issue is to determine what type of report will best meet the needs of the customer.

**Application Note**

**FLUKE**

**Fluke Corporation  
Statement of  
Calibration Practices**

**ISO 9001**

This Corporation hereby certifies that the product was calibrated in accordance with the calibration procedures being used for this purpose. These procedures are based on the calibration and testing methods used for the instrument and meet the product requirements.

This Corporation further certifies that the measurement systems and methods used for the calibration of the product and methods in the field shall be traceable to standards and methods used in the calibration of the product and methods used in the field shall be traceable to standards and methods used in the calibration of the product.

To show a certificate of calibration, without that report being done, means a person is not to have any idea as to the calibration. A person has to change the calibration data.

**Calibration Manager**  
John Thompson

**File reference is 10000**

**Figure 1. Statement of calibration practices.**

In national and international standards, however, because such testing and calibration is done in a large volume production environment, an ISO 9001 certificate is available and is a detail of the testing can be provided. If a calibration certificate is required, a separate certificate must be done following production, usually at an extra charge. An example of this discrepancy document is included in Figure 1.

From the Fluke Digital Library @ [www.fluke.com/library](http://www.fluke.com/library)

Plus remember the application note describing the different types of calibrations available for our products. It will help customers understand these differences and the reasons for the differences. Refer to literature number 30293057. It is available through literature fulfillment, on the Fluke web site and on the FPM Partner Portal.

Good Luck and Successful Selling,

Jack Somppi