

## Adjusting the Fluke 5700A to the New Volt and Ohm

The design of modern instruments like the Fluke 5700A Calibrator make it relatively simple to accommodate the 1990 volt and ohm change. Just three standards — the Fluke 732A 10V Direct Voltage Reference

Standard and 742A-1 1 $\Omega$  and 742A-10k 10 k $\Omega$  Resistance Standards — are required. An automated procedure running within the 5700A prompts the operator to connect the appropriate standard and enter its nominal value. Once the three standards have been revalued for the

1990 volt and ohm, the 5700A automatically transfers the new values to the calibrator and makes the necessary adjustment to all ranges and functions. The entire process takes little over an hour. For more information about the metrology of the 5700A, ask for Fluke Application Note B0175.



## The Fluke Direct Voltage Maintenance Program (DVMP)

This state-of-the-art voltage calibration service, provided in the U.S. by the Fluke Primary Standard Lab, allows users of high-accuracy calibrators and voltage standards to perform their own calibration without having to keep and maintain a primary standard. In operation since 1984, this program provides near-NIST accuracy by sending a certified, calibrated, 10 volt DC reference (a Fluke 732A) under power to your site. You use the 732A, with related equipment and procedures provided, to cali-

brate your equipment. When your calibration is complete, you pass the 732A on to the next user or return it to Fluke. Participants in this program obtain a value for the 10 volt standard in terms of both the old and new volt, and traceability directly to NIST.

## 5700A Artifact Cal Package

Changing your 5700A to the new volt and ohm is a simple matter of bringing up an accurately known 10-volt standard and two standard resistors (which have been revalued to the new volt and ohm), and connecting them in response to

prompts from the 5700A's external calibration routine. The Artifact Cal package provides the standards and connecting hardware required for this calibration. We rent you the Artifact cal package for one day, which is more than sufficient for adjusting your population of 5700As. In order to provide service to as many facilities as possible in the short time that it is critically needed, we charge rent for each additional day you keep the package. Call your representative to reserve a package for the day which will be the most convenient for you.