

# Product highlights



## 5730A Multifunction Calibrator

### The new gold standard in electrical calibration

The 5730A High Performance Multifunction Calibrator is the culmination of years of engineering development, customer research and industrial design, to bring to market the new “gold standard” in multifunction calibration. Like its predecessors, the 5700A and 5720A calibrators, the 5730A calibrates a wide range of digital multimeters, up to long-scale 8.5 digit DMMs, as well as a wide-range RF multimeters. This new model features improved specifications that will help you increase test uncertainty ratios (TURs) and improve test confidence.

- 6.5 inch VGA capacitive touchscreen with full color graphical user interface
- Menus and functions displayed in choice of nine languages
- Visual Connection Management™ terminals guide cable connections
- Extended operational reliability through the use of modern analog and digital components and state-of-the-art circuit board technologies
- Artifact Calibration—the process of using just three external standards—10 V, 1 ohm and 10 k ohm, to automatically adjust the entire instrument—optimizes performance to the best specified performance
- Cal Check—a process that tests all function and ranges for any drift since the most recent calibration—provides ongoing confidence in performance. Any output drift is measured and evaluated it with respect to specification.
- Compatible with 52120A and 5725A amplifiers
- Full MET/CAL® compatibility with 5700A and 5720A procedures (MET/CAL versions 7.3 and above)
- 30 MHz and 50 MHz wideband output options available



## 6003A Three Phase Electrical Power Calibrator

### Three power phases in a single easy-to-use instrument

The 6003A Three Phase Electrical Power Calibrator is the most cost-effective way to get the superior accuracy and performance of three independent phases in one instrument. It is an ideal solution for calibration laboratories, electronics manufacturers, electric utility meter shops, and other organizations that manufacture and maintain energy meters, power quality analyzers, and similar tools.

Along with providing three independent phases of precise voltage and current, the 6003A also sources power quality phenomena, including harmonics, interharmonics, flicker (modulation) and dip/swell variations.

The 6003A includes measurement capabilities for dc voltage, dc current and frequency for measuring outputs from power and energy transducers.

The 6003A delivers all of this functionality with a graphical user interface that makes it easy to learn and use.

Features at a glance:

- Three phases in a single instrument
- Simulates dc or ac electrical power and energy in voltage range to 600 ac V or 280 dc V and current range to 30 A per phase or 90 A combined
- Phase shift between voltage and current channels can be set from 0° to 359.99°
- Specifications of  $\pm 375$  ppm for power and 0.01° for phase
- Current outputs can be isolated from ground by up to 450 V peak
- Optional energy and power quality capabilities
- Built-in dc multimeter for transducer output measurement
- Offers a high current adapter for applications needing from 30 A to 90 A of current