- **Fully automated RF power sensor calibration.**
- **User customizable calibration procedures.**
- **Upload and download EPROM data of most Anritsu, Agilent (both E4400 and E9300 series), Boonton, and Giga-tronics power sensors.**
- **Easy to understand graphical hook-up instructions.**
- **Flexible standards allow the operator to use the instruments in their lab.**
- **Data stored in ASCII text files for easy manipulation.**
- **Selecting calibration procedures fast and easy.**
- **RF power sensor and component procedures can be easily customized.**

SureCAL Calibration Software

SureCAL was developed by calibration engineers and technicians determined to cut the high cost of manually calibrating and maintaining test and measurement equipment. SureCAL has TEGAM drivers and procedures that will allow you to automate and streamline your System IIA or 8850 system.
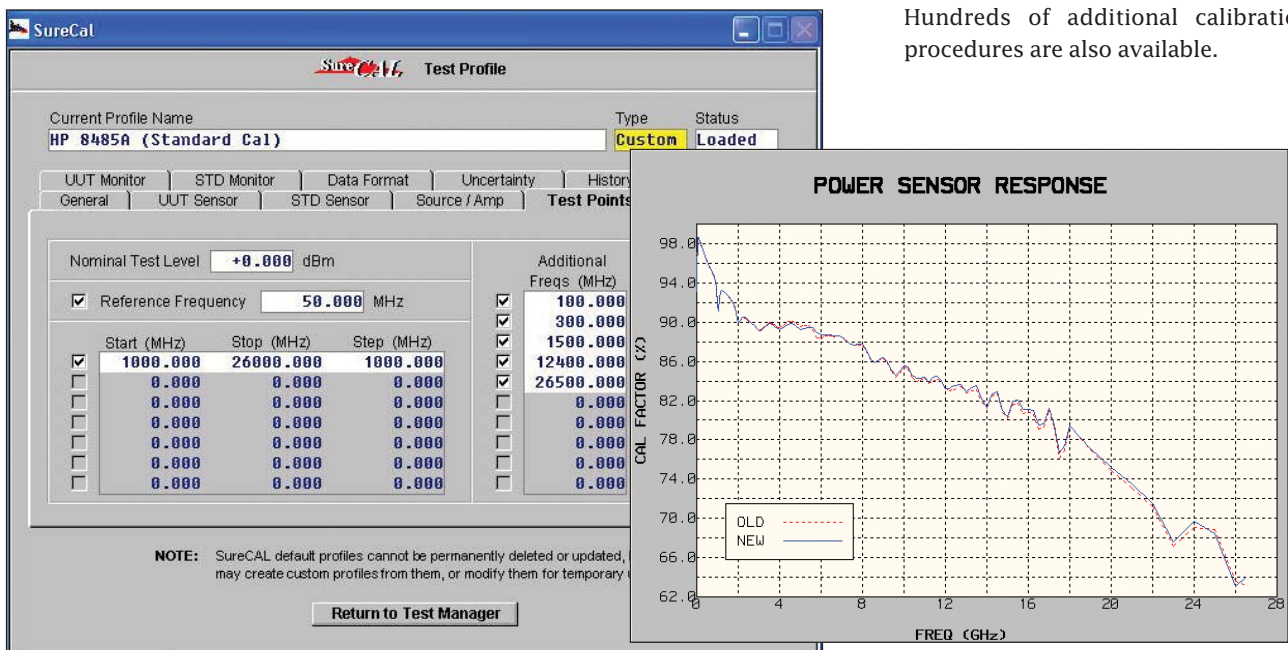
SureCAL Test Manager for Windows makes testing easy and practical with "flexible standards". Flexible standards means SureCal procedures were developed for standards that meet the minimum testing requirements. This allows the operator to use equipment already in the lab from manufacturers like Anritsu, Fluke, Hewlett Packard (Agilent), Keithley, TEGAM, and many others.

SureCal's Power Sensor Package includes more than 30 predefined power sensor profiles. With the easy to edit "Test Profile" for power sensors, that list can be expanded to include just about any commercially available power sensor! This package includes the ability to read and update the cal factor tables of most Anritsu, Agilent (both E4400 and E9300 series), Boonton, and Giga-tronics power sensors.

The SureCal software package for the 8850 System includes procedures for calibrating several types of passive RF components such as attenuators, couplers, return loss bridges, and terminations. This package also uses a "Test Profile" to allow users to quickly and easily change the test parameters for a specific Device Under Test (DUT). A run time graphical display shows actual test values along with upper and lower limits and uncertainty bars for the user to immediately determine if a DUT is out of tolerance.

SureCal Software for RF Power Sensors is included with the System IIA; SureCal software for the 8850 is included with the 8850-18 system. Hundreds of additional calibration procedures are also available.

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Test Manager Lite

Automated Metrology Software that runs individual Calibration Procedure Modules to perform equipment calibrations. Includes a Test Executive, a User's Guide file, plus a keyless Runtime only version of TransEra HTBasic. One year of complementary Software Maintenance Agreement service is also included in the initial purchase for each site. License is for one installation running on one PC.

Power Sensor Support Package

An add-on package of software for RF Power Sensors and Thermistor Mounts that allows technicians to easily tailor Calibration Procedure Modules for specific laboratory needs. For example, SureCAL supports the majority of the Agilent/HP, Giga-tronics, TEGAM (Weinschel), and Anritsu Power Sensors. This package supports using Tegam (Weinschel) System II Standards along with the Agilent 8757A&D Scalar Network Analyzers for automated SWR measurements. Package includes Power Sensor subprogram with over one hundred default sensor definitions, plus more than 30 complete Power Sensor Calibration Procedure Modules. With password access, engineers and technicians can quickly tailor Calibration Procedures for your specific laboratory needs. License is for multiple installations or networked users at one site and requires one Test Manager Lite license to be functional.

Attenuation Measurement System Software

An add-on package of easy to use software for calibrating a wide variety of RF Components. This package includes predefined Calibration Procedures for: Fixed, Decade and Programmable Attenuators, Network Analyzer Bridges, Couplers, Hybrid Junctions, and Terminations. Also included in this package are over 100 comprehensive test profiles for RF Components. This package supports using Tegam (Weinschel) VM-7 and 8850 Attenuation Measurement System along with Return Loss Bridges for SWR measurements. With password access, engineers and technicians can quickly tailor Calibration Procedures for your specific laboratory needs. License is for multiple installations or networked users at one site and requires one Test Manager Lite license to be functional.

Computer Requirements

Processor	Pentium class, 200MHz or better
RAM	32 MB minimum
Operating System	WINDOWS 95, 98, NT, Me, 2000, or XP with utilities.
Hard Drive	300 MB; approximately 30 MB for TEST MANAGER LITE, 30 MB for HTBasic, plus up to 200 MB for your particular library of Calibration Procedure Modules.
CD-ROM Drive	8X minimum to load SureCAL software and periodic updates.
Interfaces	National Instruments or Hewlett Packard IEEE-488 Bus controller board for stimulus and measurement devices, parallel port for report printer and serial port for label printer (unless connected to a local area network).

SYSIIA-SureCal includes Test Manager Lite and the Power Sensor Support Package and is included with System IIA packages. **8850-SureCal** includes Test Manager Lite and the Attenuation Measurement System Software and is included with the 8850-18 system.

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