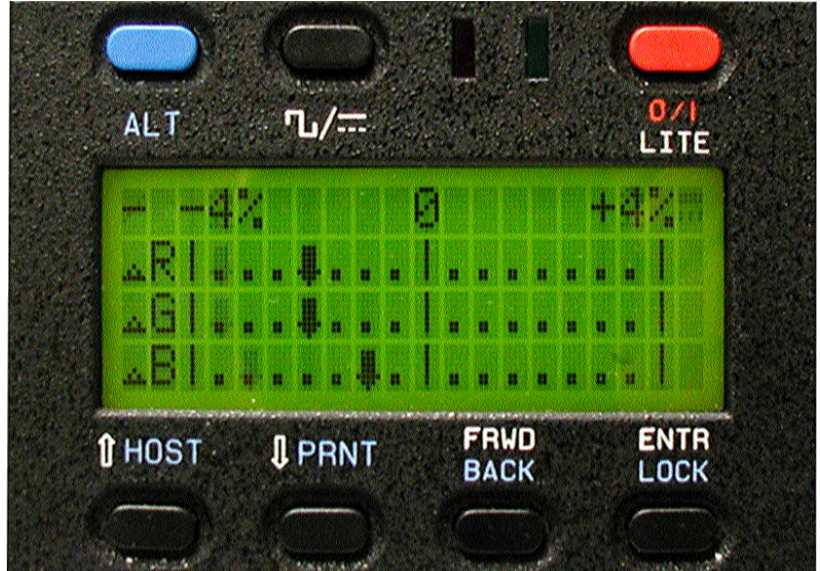


PR®-650 RGB COLOR ANALYZER

Spectral Power

The PR-650 RGB Color Analyzer is designed to provide a spectrally based, interactive white point calibration tool for a multitude of display technologies including but not limited to CRT's, LCD, PDP's, ELP's and digital projectors. What differentiates it from other instruments performing the same tasks, is the *spectral* data capture. The benefits realized using spectrally based measurements include superior color accuracy and the ability to calibrate to a "virtual" display without having to measure a "golden" sample. The virtual display is defined by user entered luminance and CIE chromaticity values. It can also calibrate displays in the traditional way - by learning a good display and calibrating others to it.



*PR-650 RGB Color Analyzer
Interactive Adjustment Screen*

Two Plus Instruments in One

A majority of traditional display calibration systems are dedicated to one specific task and cannot be used for anything else. When not being used to calibrate the white point of displays, the PR-650 RGB Color Analyzer can be used as a traditional spectroradiometer to address a myriad of light measurement applications impossible for other testers.

Non-Contact

The PR-650 RGB Color Analyzer uses the patented Pritchard® through-the-lens optical system, so there is no "suction cup" required. Some display types such as LCD's cannot tolerate a contact system. Digital projector calibrations, which require sampling the screen, are impossible using contact type sensor technology.

Easy Upgrade

For current PR-650 (or PR-645) owners, adding the RGB capability is as easy as contacting us with the serial number of your instrument and shipping instructions. We will send you a new RAM card with pre-installed RGB Color Analyzer software. You just plug it in and turn it on to begin - no recalibration of the instrument is necessary. You now have an interactive, spectrally based white point calibrator for a fraction of the cost of other solutions.

RGB DISPLAYCAL SOFTWARE

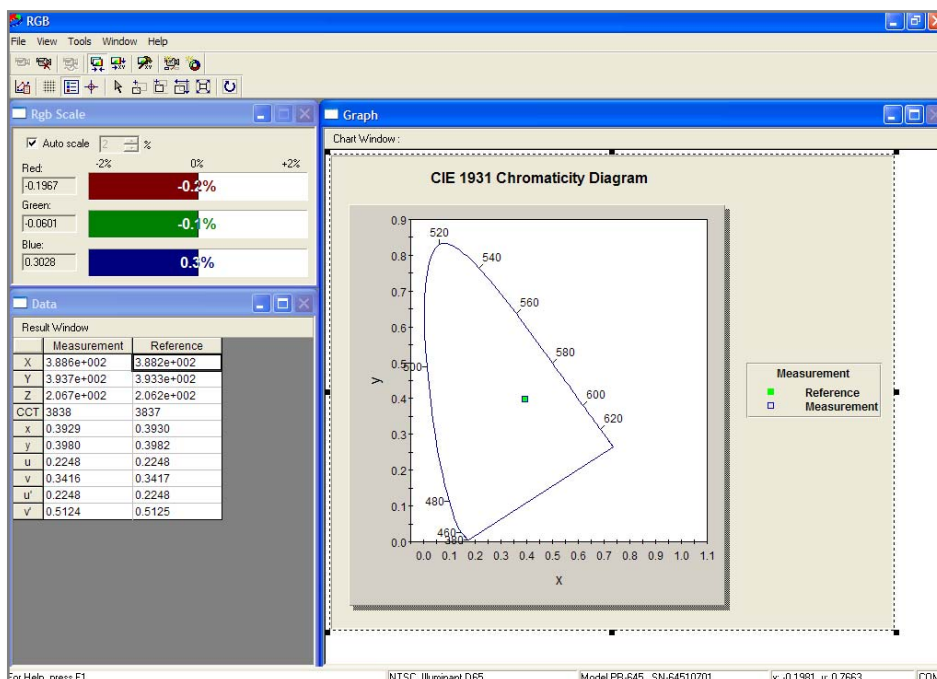
Added Power

Now you can add Windows based, interactive display white point calibration capabilities to your existing PR-6XX or PR-7XX SpectraScan spectroradiometer with **RGB** for Windows. **RGB** DisplayCal software can be ordered as a stand alone executable, or as an option to existing SpectraWin 2 software (not available for SpectraWin 1.XX versions).

With **RGB** DisplayCal, you get all of the capabilities of the PR-650 **RGB** Color Analyzer (comparative or absolute calibration of displays) plus enhanced features such as a CIE diagram (1931 or 1976) with continuously updated target and measured icons and updated tabular data - all on your laptop or desktop PC. We've also added an easy-to-use **RGB** bar graph that lets you know when the display under test is properly calibrated. The resolution of the bar graph can be set to manual or automatic to facilitate adjustment ease.

Wizardry in Action

For displays that do not fall into the **RGB** DisplayCal pre-defined CRT phosphor sets (NTSC, EBU, SMPTE, HDTV or CIE) the **RGB** Wizard allows you to define display primary values through measurement or data entry. This can be especially useful when developing a new display type (for example - OLED display research) where no standard (or "golden unit" for comparative tests) exists.



RGB DisplayCal Main Screen



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