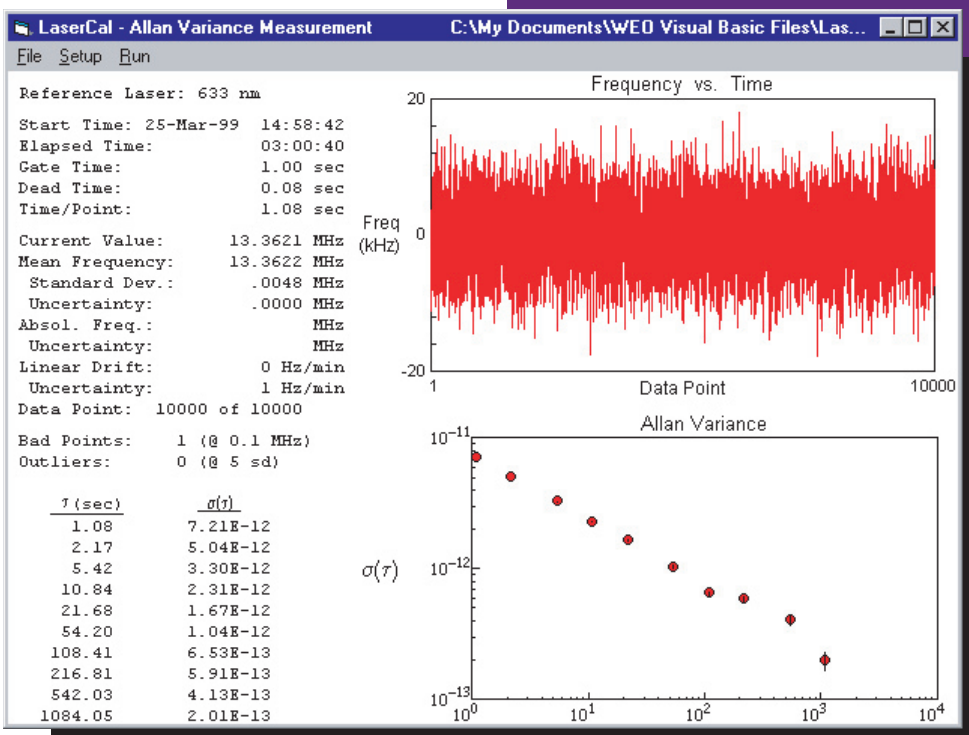
Winters
Electro-Optics, Inc.

LaserCal

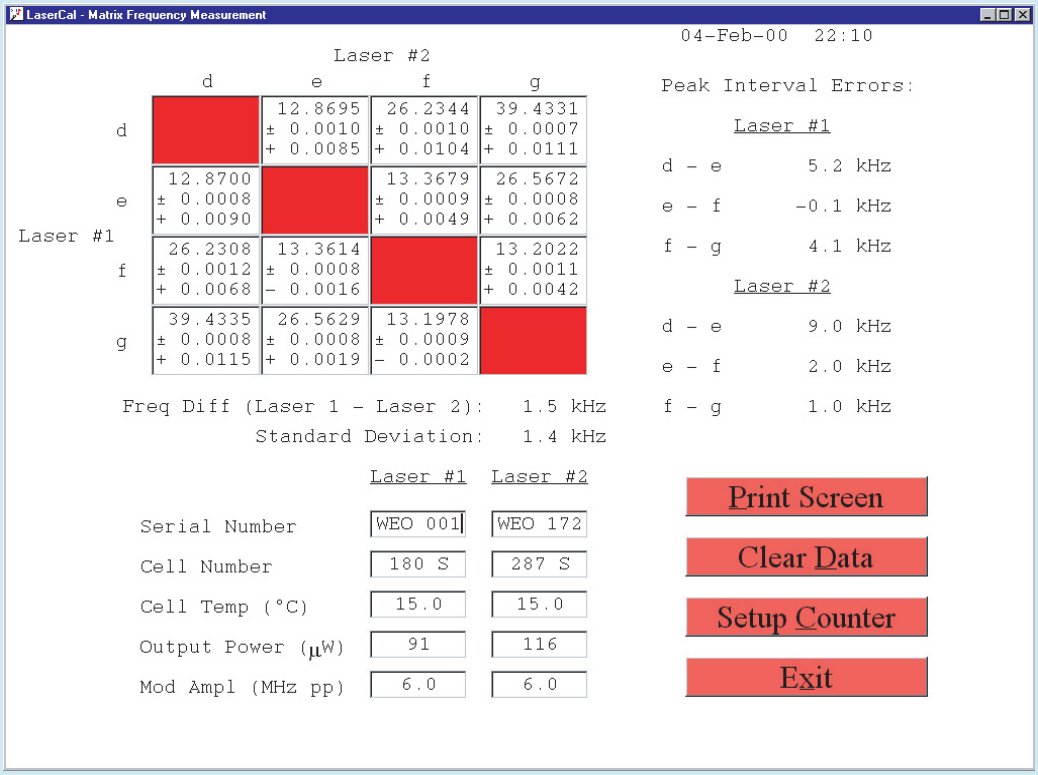
Laser Calibration Software



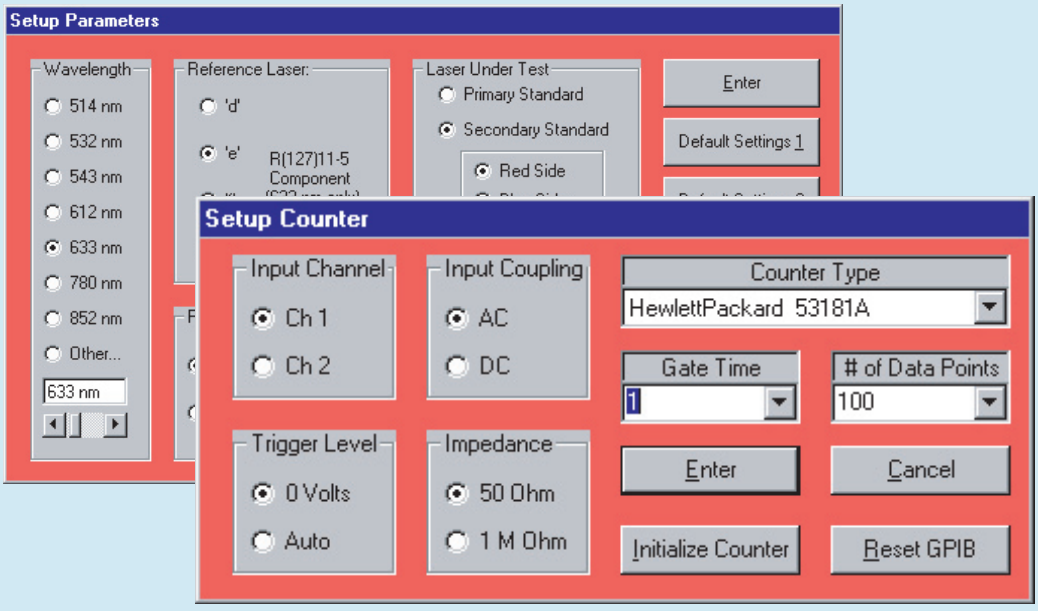
LaserCal is a data acquisition and analysis package for calibrating and characterizing optical frequency standards. It consists of two sub-programs – an Allan Variance program and a matrix frequency-calibration program. It is designed principally to calibrate 633 nm lasers using a Model 100 Iodine-Stabilized Laser as a reference, but can also be used to measure Allan Variances of lasers operating at other wavelengths.

LaserCal Features

- Windows XP compatible
- Supports Agilent 53181A frequency counter
- Uses industry-standard National Instruments IEEE-488 (GPIB) interfaces and drivers
- Allan Variance program characterizes primary or secondary laser frequency standards of all wavelengths
- Matrix measurement program calculates matrix frequency difference of 633 nm iodine-stabilized He-Ne lasers



The Matrix frequency calibration sub-program calculates the frequency difference of 633 nm iodine-stabilized He-Ne lasers using hyperfine components ‘d’ through ‘g’.



Pop-up windows allow easy access to frequency counter settings and other program parameters.

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