

2123 4th Street, Berkeley, CA 94710 Tel: 510-644-1869, Fax: 510-644-0118

e-mail: tech@femtochrome.com; http: www.femtochrome.com

FR-103kHz RAPID SCANNING AUTOCORRELATOR



Specifications

Sensitivity (P_{av}P_{pk})_{min}:10⁻⁶ W²

• Resolution: <1 fs

• Pulse Width Range: 5fs -1ps

• Wavelength Range: 500-3000nm

• Free Space/Fiber Coupled

• Interferometric

• Polarization Insensitive

Computer Data Acquisition Option

• Compact Size: 4.25" x 5" x 5.5"

The FR-103kHz is a compact Autocorrelator utilizing Two-Photon Conductivity in photodectectors. The FR-103kHz is uniquely designed to continuously monitor in "real-time" femtosecond pulses with low rep rates, typically from kHz amplified lasers. It can be operated with any pulse repetition rate >100 Hz.

The FR-103kHz can be ordered with Computer Data Acquisition (/CDA) option, for the display and analysis of traces with a PC.