



**FEMTOCHROME®
RESEARCH, INC.**

FR-103kHz RAPID SCANNING AUTOCORRELATOR



Specifications

- Sensitivity ($P_{av}P_{pk}$)_{min} : $10^{-6} W^2$
- 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 photodetectors. 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.