



## FEMTOCHROME® RESEARCH, INC.

2123 4<sup>th</sup> Street, Berkeley, CA 94710  
Tel: 510-644-1869, Fax: 510-644-0118  
e-mail: [tech@femtochrome.com](mailto:tech@femtochrome.com); [http: www.femtochrome.com](http://www.femtochrome.com)

### FR-103HS RAPID SCANNING AUTO/CROSSCORRELATOR



#### Specifications

- Sensitivity:  $0.5 \times 10^{-8} \text{ W}^2$
- Resolution:  $\sim 1 \text{ fs}$
- Wavelength Range: 410-1800nm
- Free Space/Fiber Coupled
- Scan Range:  $> 150 \text{ ps}$
- Interferometric/Noncollinear
- Crosscorrelation Option
- Computer Data Acquisition Option
- Slow Scan Option

The FR-103HS is a compact Non-Linear Crystal Autocorrelator. With the unprecedented sensitivity figure of  $(P_{\text{av}}P_{\text{pk}})_{\text{min}} = 0.5 \times 10^{-8} \text{ W}^2$ , it is unmatched to measure pulsewidths for weak telecommunications lasers.

The FR-103HS is available with a scan range  $> 150 \text{ ps}$ , suitable for pulsewidths within 10fs–75ps.

It can be operated with any pulse repetition rate  $> 5 \text{ Hz}$  (Slow Scan Option (/SSO)).

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