



**FEMTOCHROME®
RESEARCH, INC.**

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.