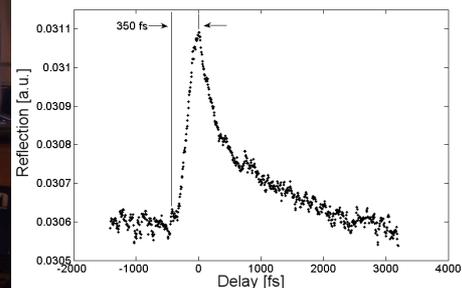
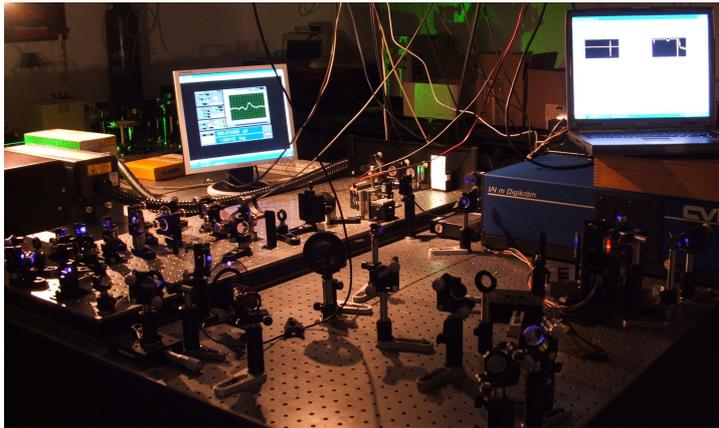




R&D ULTRAFast LASERS LTD.

FemtoScope™

Femtosecond pump-probe (transient absorption) measurement system



Typical measured transient absorption signal of a SESAM sample at around 800 nm

FemtoScope™ is a femtosecond pump-probe system for measuring ultrafast absorption kinetics of transparent or reflective samples. The small change in the absorption is detected by a digital lock-in amplifier system using 24 bit A/D converter.

Features:

- High sensitivity, high signal-to-noise ratio
- Scanning range up to 100 ps
- Temporal resolution ~ 150 fs
- Operation wavelengths depends on laser used
- Customized according to user's requirements
- Built-in delay line with driving electronics
- Built-in chopper for lock-in measurement
- Built-in photodiode or PMT
- Automated delay scanning and data collection

NOTE: System development was supported by the Hungarian State under contract No. GVOP-3.3.3-05/1.-2005-05-0078/3.0