

## Laser Feedback Control: deviation down to ± 2 MHz

- Continuous control of your lasers with our PID-Software
- Frequency deviation within ± 2 MHz (rms < 500 kHz) with our WS Ultimate-2
- Simultaneous control of up to 8 lasers
- Wavelength range: 192 11000 nm
- Repetition Rate: up to 600 Hz

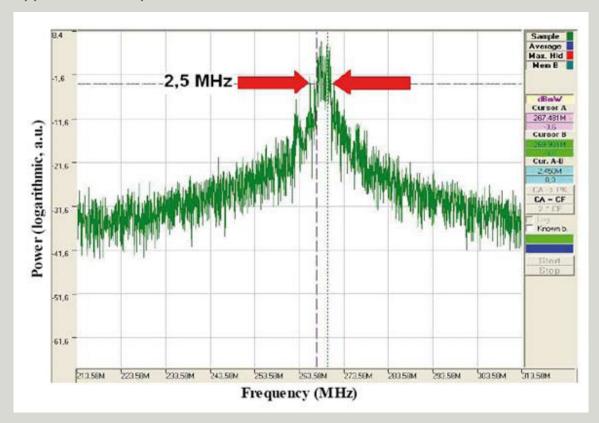
High resolution spectroscopy can be replaced by a HighFinesse/Ångstrom Wavelength Meter. Absolute measurement and regulation accuracy in MHz-range is reached in the spectral range of 330 – 1750 nm. In UV (192 – 350 nm) and MIR (2 – 11  $\mu$ m) 100 MHz regulation accuracy is possible.

High measurement and feedback speed for in-situ frequency control of cw-laser-sources like singlemode diode lasers, DFB lasers, Dye lasers, TiSapph laser or any pulsed laser application (LIDAR) is reached.



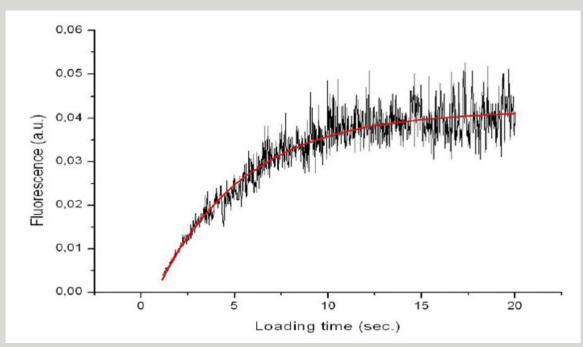


## **Application Example:**



HighFinesse DFB laser diode controlled by WS Ultimate-10. Typical linewidth of the HighFinesse DFB laser < 2,5 MHz. High quality laser current and temperature controllers are available at HighFinesse.

## **Spectroscopic Application:**



Loading a Magneto-Optical-Trap (MOT) with cold atoms. Laser frequencies of two DFB lasers are controlled by WS Ultimate-10. Fluorescence signal of cold Rb-atoms measured by a photodiode.

Further information: www.highfinesse.com

