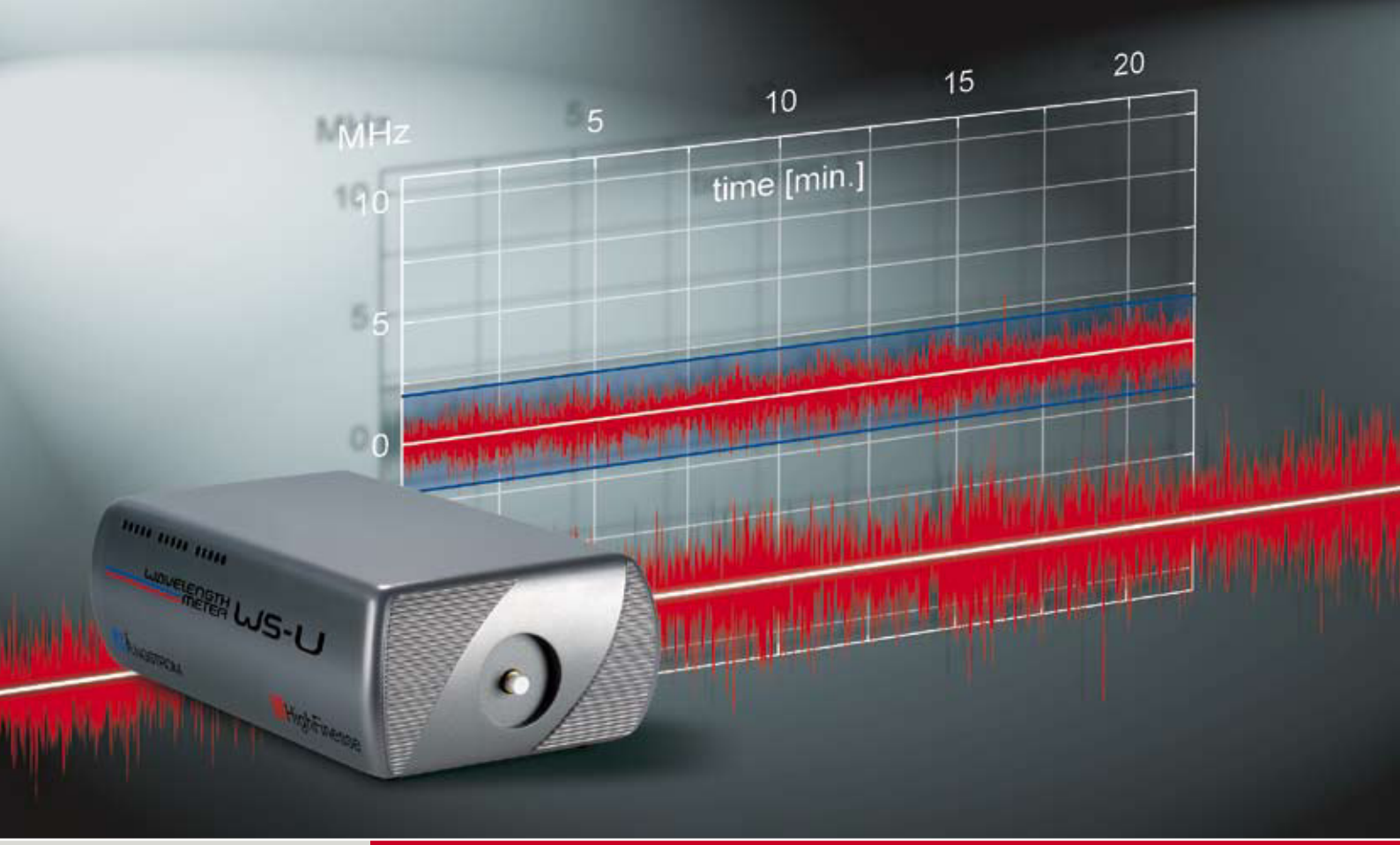


Laser Feedback Control: deviation down to ± 2 MHz

- **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**

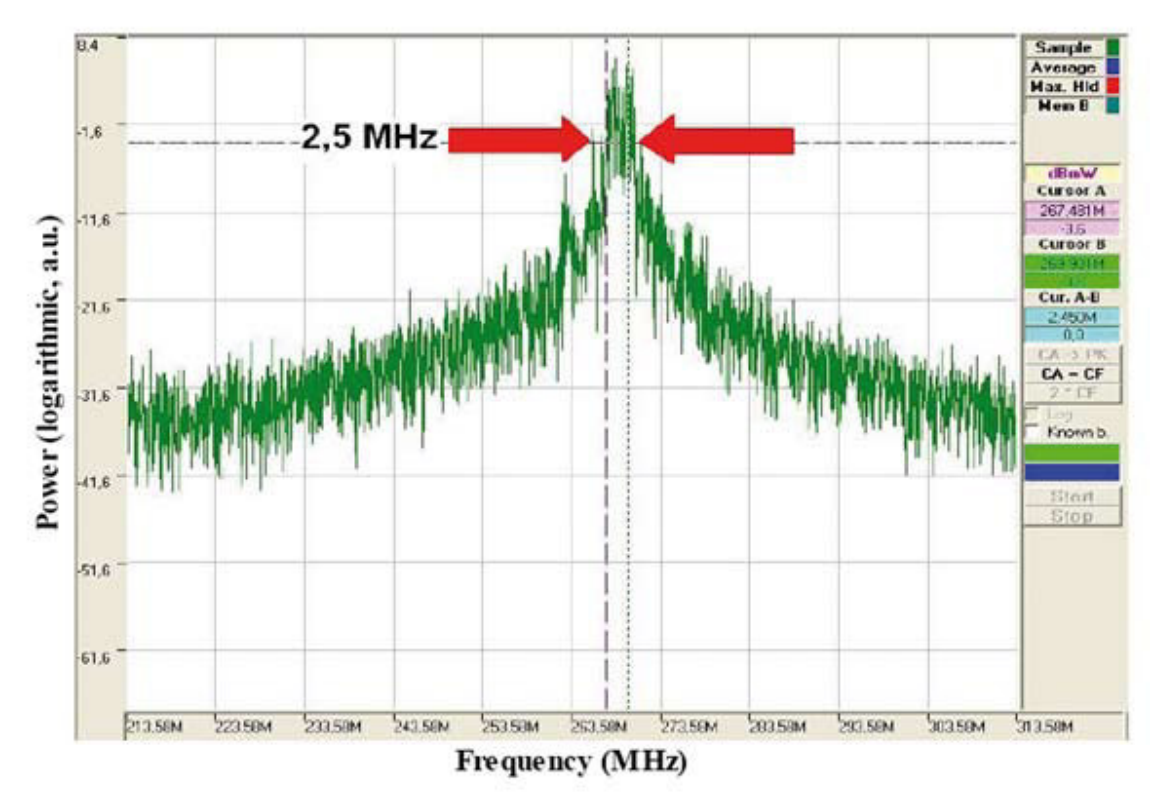
High resolution spectroscopy can be replaced by a HighFinesse/Ångstrom Wavelength Meter. Absolute measurement and regulation accuracy in MHz-range is reached in the spectral range of 330 – 1750 nm. In UV (192 – 350 nm) and MIR (2 – 11 µm) 100 MHz regulation accuracy is possible.

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.

Ångstrom

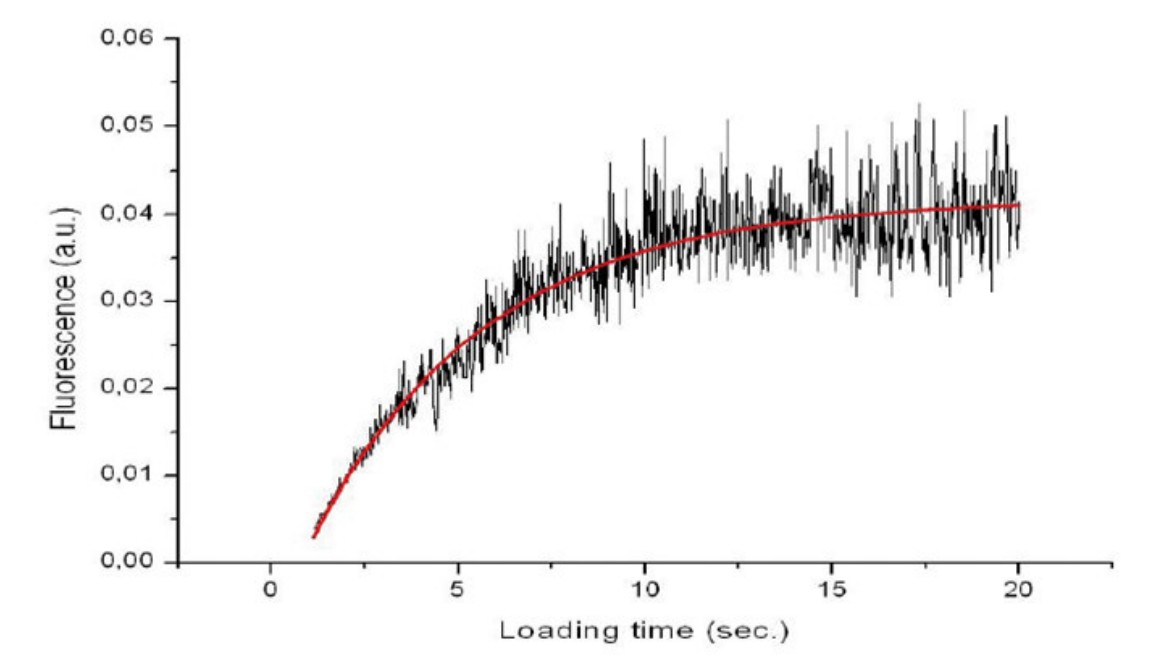
HighFinesse
Laser and Electronic Systems

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**

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