



## NEW: High Definition Spectrum Analyser - HDSA

The HDSA is designed to analyse emission spectra of any complexity, while processing the entire spectral range from 400 nm to 900 nm at once. The fundamental principle of HighFinesse products "no moving optics" applies to the HDSA as well, so cw- and pulsed light sources can be measured.

- Entire spectral range at once
- Absolute accuracy: 3 GHz
- Wavelength deviation sensitivity: 0.6 GHz
- Wavelength range: 400 – 900 nm
- Extreme sensitivity: 50 pJ @ 632 nm
- Exposure time: 1 ms – 3 s
- Resolution:  $\lambda/\Delta\lambda = 15000$ , e.g. 40 pm (33 GHz) @ 600 nm, 50  $\mu$ m multimode fiber
- Built-in calibration source
- Measurement and tracking of any selected line/area
- Measurement speed (depending on PC-hardware and -settings): 2 Hz (full spectrum)
- Re-calibration period: 7 days
- Record and replay mode
- Long-term measurements and -recording
- USB 2.0
- External power supply
- Power consumption: 10 W
- Weight: 4.8 kg
- Dimensions: 360 x 210 x 120 mm

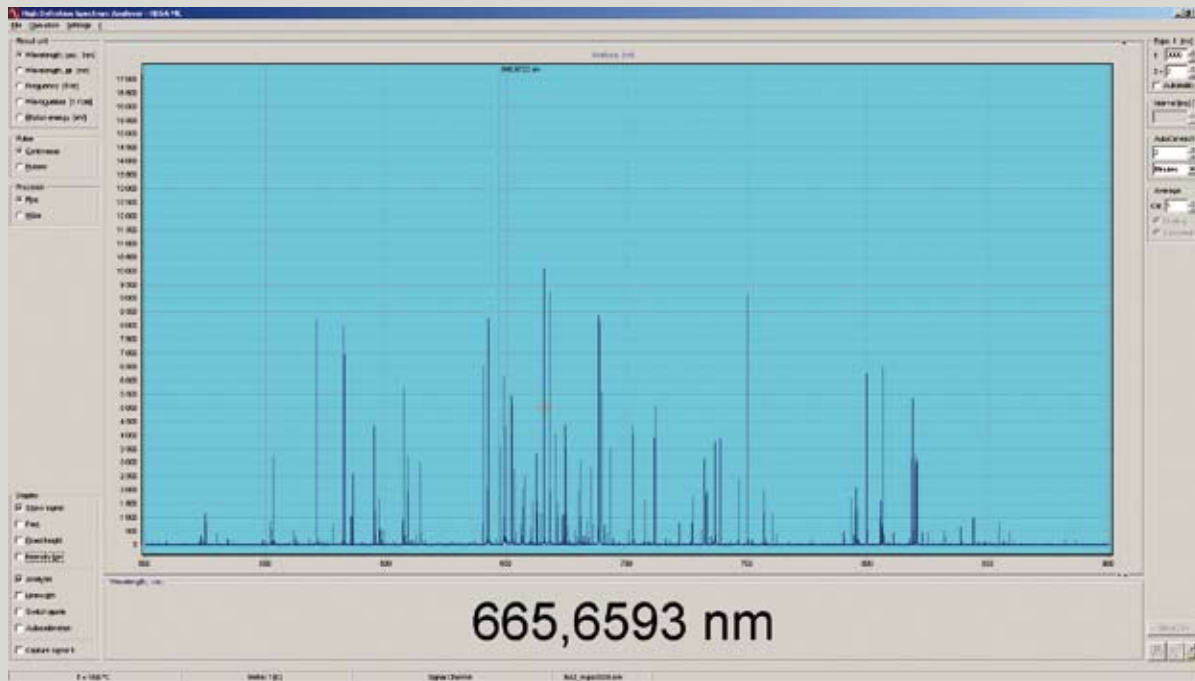


Ångström

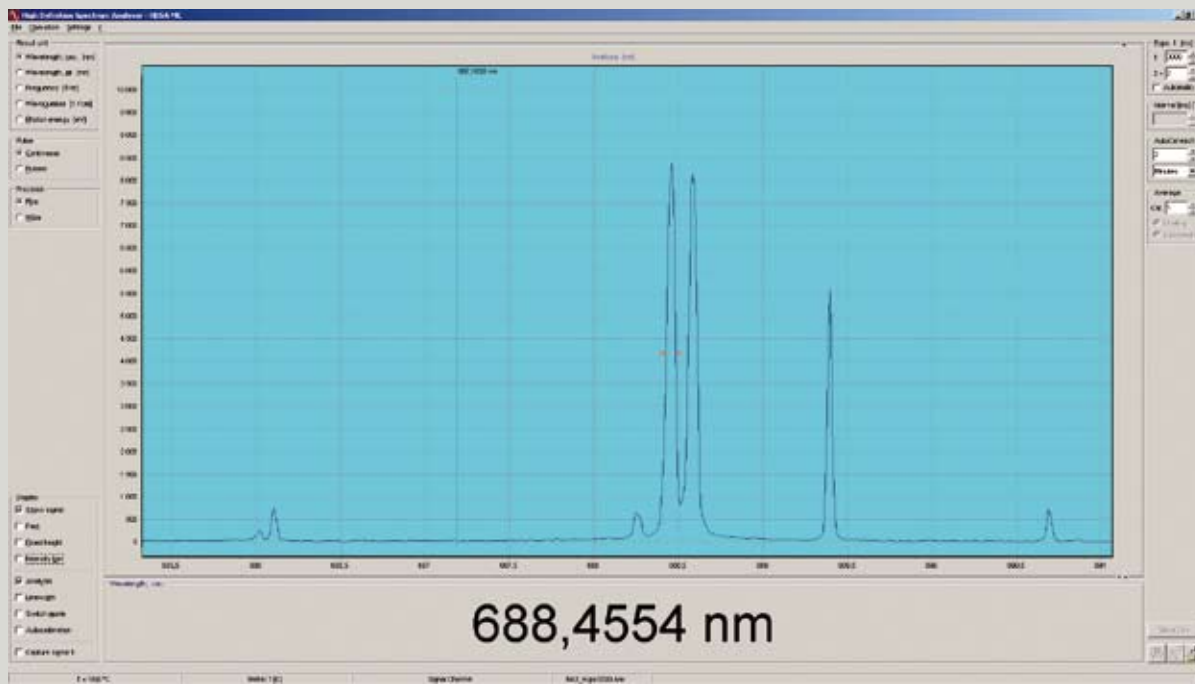


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## Sample measurements:



Typical measurement of the spectrum of a gas discharge lamp. The HDSA resolves lines over the entire spectral range.



The picture shows a high resolution zoom into two specific spectral lines of the measurement above.



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