HighFinesse
The Standard of Accuracy

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This Quick Start Guide is also available on our website:

🔌 www.highfinesse.com/quick-start-guide

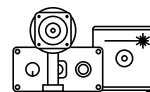**Have a look to the complete product portfolio of HighFinesse**
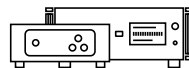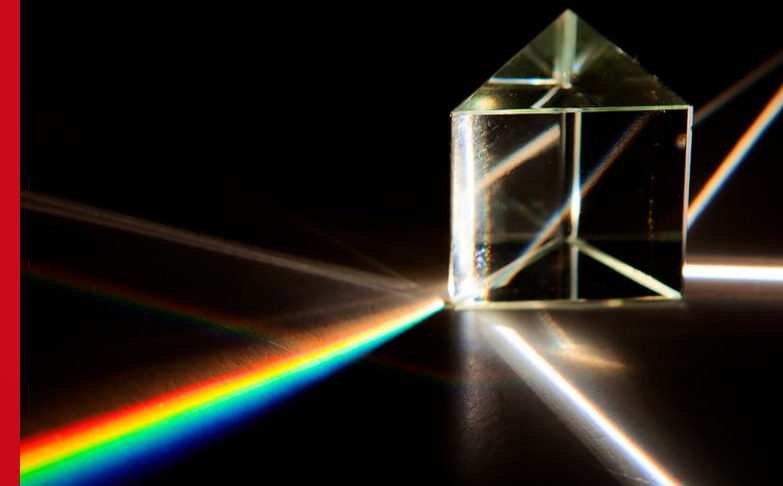
Wavelength Meter   Linewidth Analyzer   Calibration Sources

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Please note:

Some optional features require separate hardware parts. Please make sure to assemble them before software installation!

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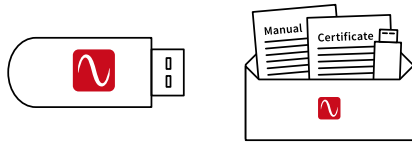**Å Ångstrom**

Quick Start Guide
HighFinesse
Laser Spectrum Analyzer

LSA Series
Connection **directly** to light source

1

The **installation software** is deployed on a flash drive. It's stored **in the envelope** that contains the manual and certificate.
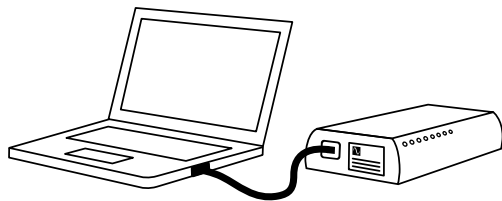
2

Start »setup.exe«

Express Setup – Automatic installation, simply follow the prompts.

Custom Setup – For advanced users desiring custom settings. Follow the prompts.
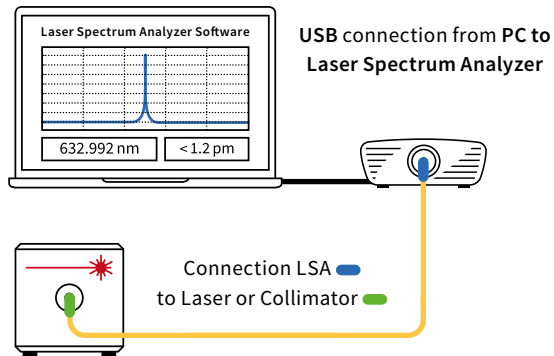
3

Connect Laser Spectrum Analyzer and Computer

Some laser spectrum analyzers have an external power supply. Please connect the power supply before connecting the USB cable (included in shipment). **Please avoid using USB cables longer than 3 meters** – that might cause communication protocol difficulties with Windows.

4

Connect Laser Spectrum Analyzer and Light Source

Laser Spectrum Analyzer Software

632.992 nm | < 1.2 pm

USB connection from **PC to Laser Spectrum Analyzer**

Connection LSA to Laser or Collimator

⚠ **Please note:** A few nJ (10 nW @ 1 s exposure) or even less are usually enough to achieve a measurement. Take special care when working with pulsed lasers to avoid exceeding damage threshold of optical fibers.

Suitable patchcords:
All wavelength meters feature FC/PC sockets.

For singlemode fibers: Use the **FC/APC** connector at the laser and the **FC/PC** connector at the laser spectrum analyzer.

Your measurement results will be impaired when you apply FC/APC connectors to a laser spectrum analyzer input.
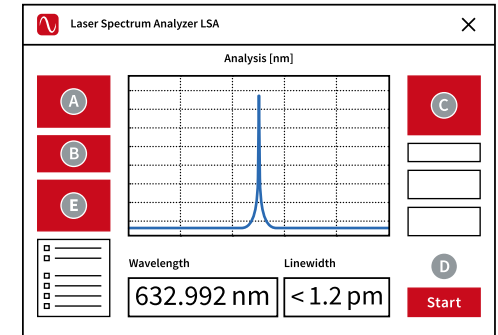
5

Start software

Simply run the desktop shortcut.

6

Start Measurement

Depending on your light source adjust the software settings in the graphical user interface.

Laser Spectrum Analyzer LSA ✕

Analysis [nm]

Wavelength | Linewidth
632.992 nm | < 1.2 pm

Start

A Select **preferred unit**

B Select **pulsed or continuous**

C Adjust exposure **manually or** select **"Automatic"**

D **Start the measurement**

E Click on **"Analysis"** to **display the laser spectrum** instead of the raw diffraction patterns.

Modes
- ☑ Analysis
- ☐ Linewidth
- ☐ Auto Calibration

Click on **"Linewidth"** to **display the FWHM.**

Modes
- ☐ Analysis
- ☑ Linewidth
- ☐ Auto Calibration