HighFinesse
The Standard of Accuracy

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This Quick Start Guide is also
available on our website:

Legacy software or instruments
may experience compatibility issues.
Please receive support from
customer service in such cases.

Please note:

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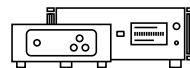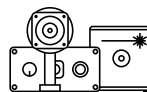hardware parts. Please make sure to assemble
them before software installation!

Have a look to the complete
product portfolio of HighFinesse

Spectrometer   Linewidth Analyzer   Calibration Sources

www.highfinesse.com

HighFinesse
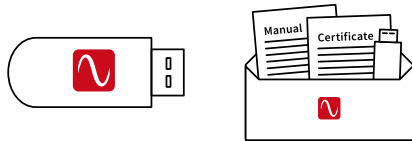The Standard of Accuracy

Ångstrom

Quick Start Guide
HighFinesse
Wavelength Meter
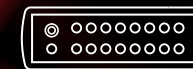
WS Series
Connection to light
source via MCLC

1

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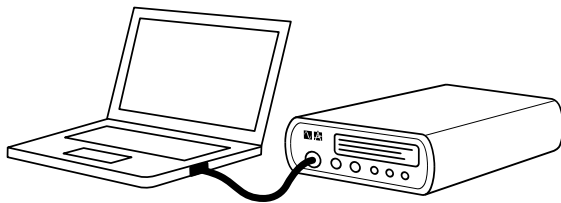
2

Start »setup.exe«

Run the **installation executable** in the USB root directory **as administrator.**

This is necessary for installing the required drivers.

3
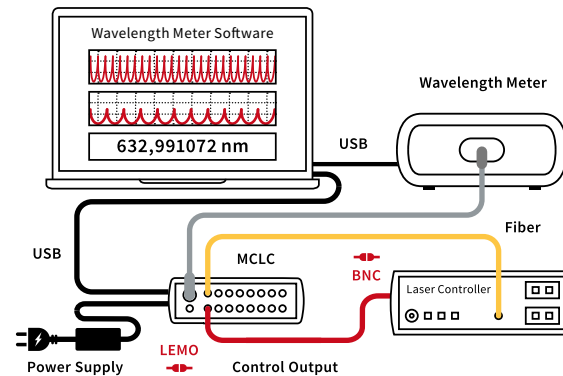
Connect Wavelength Meter and Computer

Some wavelength meters 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 MCLC to Wavelength Meter and Lasers

Wavelength Meter Software

632,991072 nm

USB

Wavelength Meter

Fiber

USB

MCLC

BNC

Laser Controller

Power Supply

LEMO

Control Output

⚠️ **Please note:** Pay attention to the damage thresholds specified in the MCLC manual. A few µJ (µW @ 1 s exposure) or even less are usually enough to achieve a measurement. Take special care when working with pulsed lasers.

Suitable patchcords:

The MCLC input fibers with a core diameter of 9 µm can be used as an input for the MCLC over the whole wavelength range of the wavelength meter.

Use the **FC/APC:FC/APC** patchcord between **laser and switch.**

1 Connect the MCLC to your PC via the included USB-cable. **2 Connect the MCLC to power** using the provided power supply.

⚠️ **Please note: Make sure** that laser sources are blocked.

3 Connect the input fibers to the **respective laser source** and **the MCLC. 4 Connect the output fiber of the MCLC** to the **wavelength meter.**
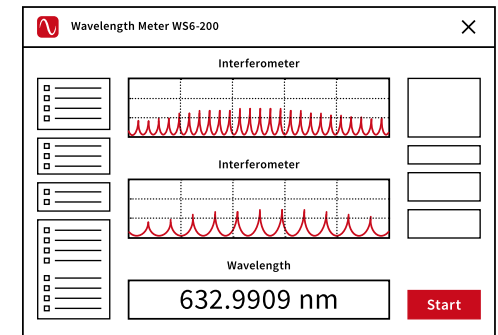
5

Start software

Simply run the desktop shortcut.

6

Connect laser control outputs

Wavelength Meter WS6-200 ✕

Interferometer

Interferometer

Wavelength

632.9909 nm

Start

1 Start the software and **unblock the laser.**

⚠️ **Please note:** Verify that the **laser controller input** has an **impedance** of at least **10 kOhm.**

2 Connect the laser control outputs to **the laser controller(s).**

3 See the "How to tutorial" **"Control lasers with the HighFinesse Multichannel Laser Controller (MCLC)"** on our website to set up the PID control.

https://www.highfinesse.com/en/howto/tutorial/Multichannel_Laser_Controller_EN.pdf