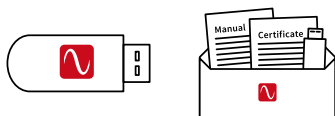Legacy software or instruments may experience compatibility issues. Please receive support from customer service in such cases.

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.

Please note:

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

HighFinesse
The Standard of Accuracy

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This Quick Start Guide is also available on our website:
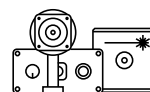
 www.highfinesse.com/quick-start-guide

Have a look to the complete product portfolio of HighFinesse
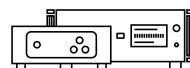
Spectrometer   Linewidth Analyzer   Calibration Sources

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Å ngstrom

Quick Start Guide
HighFinesse
Wavelength Meter

WR Series
With **Photonic Crystal Switch Rack**

3 — Connect Switch and Wavelength Meter

Switch (Backside)

Wavelength Meter (Backside)
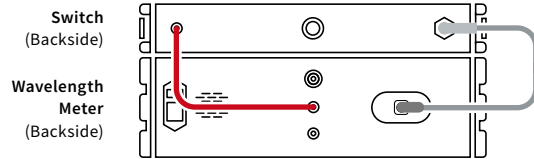
Mount the switch in the **19" rack case directly above the wavelength meter.**

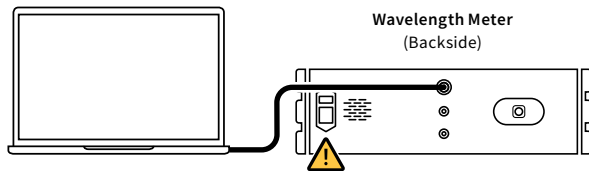Connect the **wavelength meter to the power source** and the **switch to the provided power supply.**

Connect the switch to the wavelength meter using the **6-pin TTL communication cable.**

Loosen the sleeve nut on the back of the switch, then **pull on the fiber connector** gently to elongate the switch output fiber and **connect it to the wavelength meter input.**

4 — Connect Wavelength Meter to Your Computer
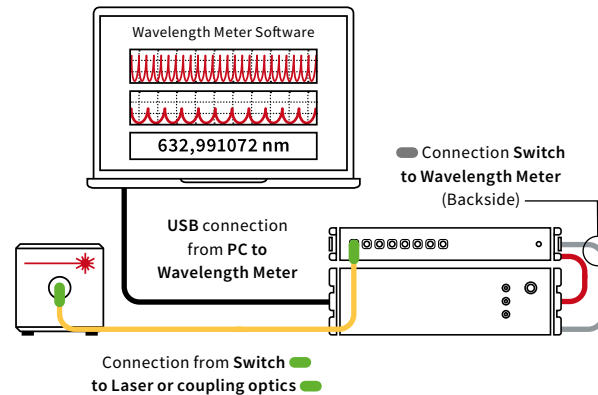

Wavelength Meter (Backside)

Now connect the **wavelength meter to the computer via the provided USB cable.**

⚠ **Please note:** Connect the wavelength meter to the power before connecting the USB cable.

Please **avoid using USB cables longer than 3 meters** – that might cause communication protocol difficulties with Windows.

5 — Connect the Light Source to the Input of the Switch

Wavelength Meter Software

632,991072 nm

Connection **Switch to Wavelength Meter** (Backside)

USB connection from **PC to Wavelength Meter**

Connection from **Switch to Laser or coupling optics**

⚠ **Please note:** 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 to avoid exceeding damage threshold of optical fibers.

Use the provided PCS input fibers to connect the laser to the input port of the switch. Whereas these fibers are not endlessly single mode themselves the optics in the photonic crystal switch will ensure that the output is single mode over the whole wavelength range of the instrument.

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

In case you are **using other single mode fibers**, please make sure the **fiber end connection on the switch is always FC/APC.**
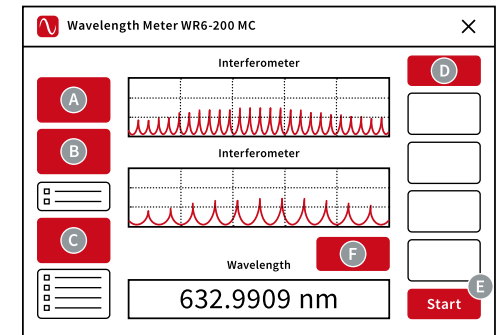
6

### Start software

Simply run the desktop shortcut.

7 — Start Measurement

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

Wavelength Meter WR6-200 MC

Interferometer

Interferometer

Wavelength

632.9909 nm

Start

A Select **preferred unit**.

B Select **"Pulsed"** or **"Continuous"**.

C Select **"Switch mode"** to measure and view all the channels quasi-simultaneously.

D Select **"Adjust exposure manually"** or select **"Automatic"**.

E **Start the measurement.**

F Select the **channel you prefer** to measure (when switch mode is deactivated).

Long-Term Graph

0   5   10   15   20   25   min.
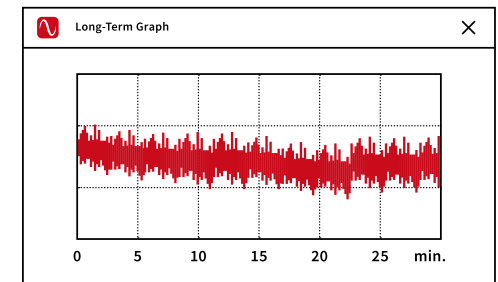
The **Long-Term program is set to automatically start with the measurement.** After completion of your measurement save the long-term data on your computer. You can **reload at any later time or use the data with any other statistical program.**