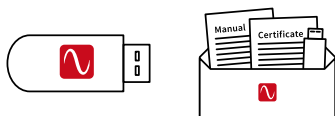




Legacy software or instruments may experience compatibility issues. Please receive support from customer service in such cases.

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.



HighFinesse GmbH  
Neckarsulmer Straße 5  
72072 Tübingen, Germany

T +49 (0) 7071 - 53 918 0  
M [info@highfinesse.com](mailto:info@highfinesse.com)

[www.highfinesse.com](http://www.highfinesse.com)

This Quick Start Guide is also available on our website:

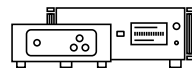


[www.highfinesse.com/quick-start-guide](http://www.highfinesse.com/quick-start-guide)

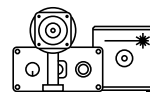
Have a look to the complete product portfolio of HighFinesse



Spectrometer



Linewidth Analyzer



Calibration Sources

[www.highfinesse.com](http://www.highfinesse.com)

Quick Start Guide · HighFinesse Wavelength Meter · 9-2024  
WR Series · Connection to light source via photonic crystal switch

This document provides general information only and may be subject to change at any time without prior notice.



## Quick Start Guide HighFinesse Wavelength Meter



# WR Series

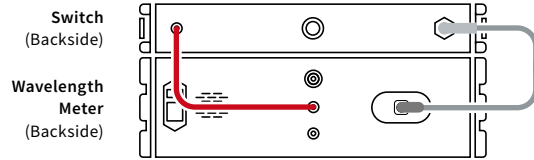
Connection to light source  
via **photonic crystal switch**

### Please note:

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

3

### Connect Switch and Wavelength Meter



Mount the switch in the 19" rack case directly above the wavelength meter.

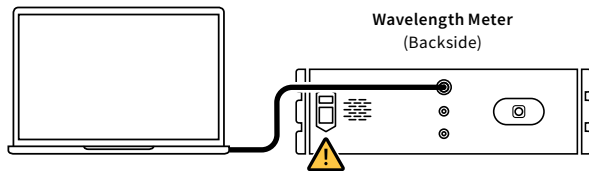
Connect the wavelength meter to the power source and the switch to the provided power supply.

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



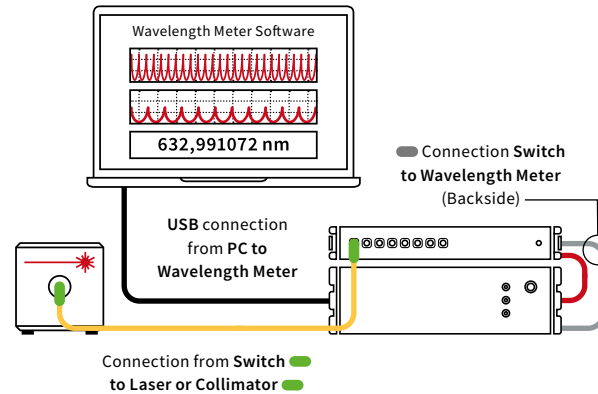
Now connect the wavelength meter to the computer via the provided USB cable.

**⚠ 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



**⚠ Please note:** A few  $\mu\text{J}$  ( $\mu\text{W}$  @ 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



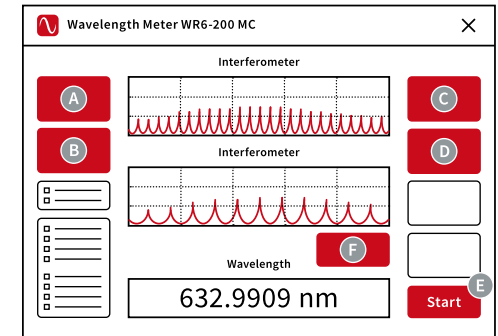
### Start software

Simply run the desktop shortcut.

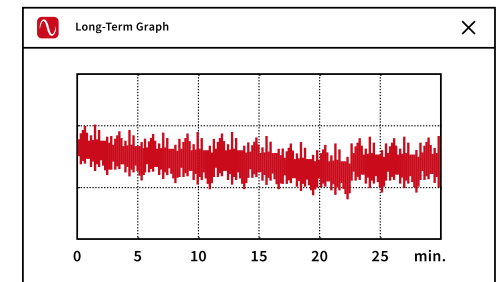
7

### Start Measurement

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



- A Select preferred unit.
- B Select “Pulsed” or “Continuous”.
- C Select “Adjust exposure manually” or select “Automatic”.
- D Select “Switch mode” to measure and view all the channels quasi-simultaneously.
- E Start the measurement.
- F Select the channel you prefer to measure (when switch mode is deactivated).



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.