



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



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)

#### Please note:

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

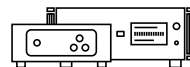
Quick Start Guide · HighFinesse Wavelength Meter · 11-2024  
WS Series · Connection to light source via photonic crystal switch

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

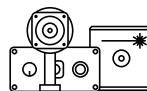
Have a look to the complete  
product portfolio of HighFinesse



Spectrometer



Linewidth Analyzer



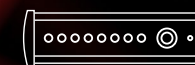
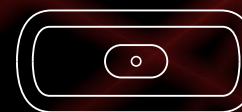
Calibration Sources

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



## Quick Start Guide

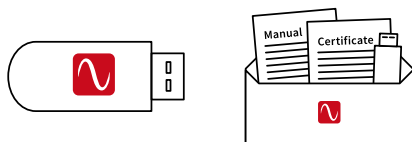
### HighFinesse Wavelength Meter



# WS Series

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

1



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

2



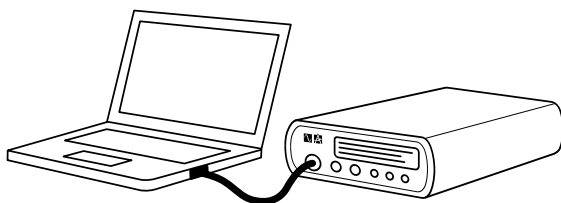
Start »setup.exe«

**Express Setup** – Automatic installation, simply follow the prompts.

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

3

### Connect Wavelength Meter and Computer

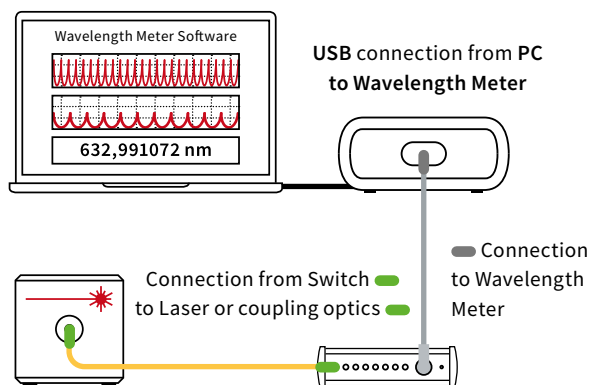


Some wavelength meters have an external power supply. Please connect the power supply before connecting the USB cable (included in shipment).

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

4

### Connect Wavelength Meter and Light Source via a Photonic Crystal Switch



**⚠ Please note:** Pay attention to the damage thresholds specified in the switch manual. 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.

#### Suitable patchcords:

All wavelength meters feature FC/PC sockets.

The PCS input fibers with a core diameter of  $9\text{ }\mu\text{m}$  can be used as an input for the photonic crystal fiber switch over the whole wavelength range of the wavelength meter.

Whereas these fibers are not endlessly singlemode themselves the optics in the photonic crystal switch will ensure that the output is singlemode over the whole wavelength range of the instrument.

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

Your measurement results will be impaired when you apply FC/APC connectors to a wavelength meter input.

5



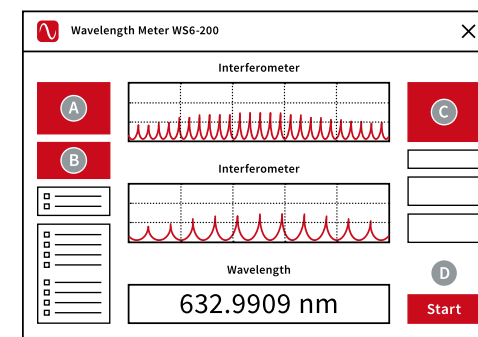
Start software

Simply run the desktop shortcut.

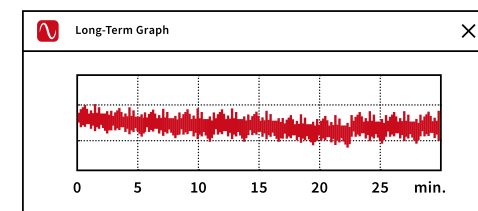
6

### Start Measurement

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



- A** Select preferred unit
- B** Select pulsed or continuous
- C** Adjust exposure manually or select "Automatic"
- D** Start the measurement



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**.