

Wavelength Meter
Upgrade Option



HighFinesse
The Standard of Accuracy



Ångstrom

	WS8-10 Standard NG	WS8-2 Standard NG
Available Measurement Range	330 – 1180 nm	330 – 1180 nm
Absolute (and Other) Accuracies		
330 – 375 nm	20 MHz ¹⁾	10 MHz ²⁾
375 – 800 nm	10 MHz ¹⁾	2 MHz ²⁾
800 – 1180 nm	8 MHz ¹⁾	2 MHz ²⁾
Quick coupling accuracy (with multi mode fiber)	100 MHz	100 MHz
Wavelength deviation sensitivity/Measurement resolution ³⁾	0.4 MHz	0.2 MHz ⁶⁾
Measurement Speed	1000 Hz	1000 Hz
Required Minimum Input Energy and Power⁴⁾	0.08 – 60 μJ or μW	0.08 – 60 μJ or μW
FSR of the Fizeau Interferometers (Fine/Wide Mode)⁵⁾	2 GHz/20 GHz	2 GHz/20 GHz
Calibration	SLR-780 or any other well known laser source $\Delta v < 2$ MHz	I2 stabilized HeNe or any well known laser source $\Delta v < 1$ MHz
Recommended Calibration Period	≤ 1 hour	≤ 2 minutes
Warm-up Time	> 30 minutes	> 30 minutes
Dimensions	340 × 252 × 106 mm	340 × 252 × 106 mm
Weight	6.4 kg	6.4 kg
Interface	USB 2.0	USB 2.0

1) ± 200 nm around calibration wavelength; outside of this range the accuracy as WS7-30.

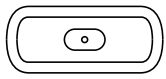
2) ± 2 nm around calibration wavelength; outside of this range the accuracy as WS8-10; note 1) also applies.

3) Standard deviation. WS6-200 and higher models require singlemode or photonic crystal fibers to reach this resolution.

4) The CW power interpretation in [μW] compares to an exposure of 1s (generally the energy needs to be divided by the exposure time to obtain the required power).

5) Each instrument in each mode can measure lasers with a linewidth up to 30 % of the corresponding FSR.

6) 100 kHz for special ranges on request.



Wavelength Meter
Upgrade Option



HighFinesse
The Standard of Accuracy



Ångström

Further Information

For further technical information, application examples, diagrams
and for customization of the WS Fast series please contact:

HighFinesse Team

service@highfinesse.de



HighFinesse GmbH
Wöhrdstraße 4
72072 Tübingen, Germany



T + 49 (0) 7071 - 53918 0
F + 49 (0) 7071 - 5391899
M info@highfinesse.com



Additional information
and distributors:
www.highfinesse.com