

Wavelength Meter

WF7 IR-II Fast Series

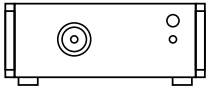


WF7 IR-II

Available Measurement Ranges (QE > 60%)	1400 – 2600 nm
Absolute Accuracy	60 MHz
Quick Coupling Accuracy	200 MHz
Wavelength Deviation Sensitivity	10 MHz
Exposure Times ¹⁾	26 – 20000 μ s
Measurement Rate (continuous/short time)	up to 20000 Hz/up to 38 kHz
Live Calculation Speed ²⁾	5 kHz
Live Calculation Latency ²⁾	10 ms – 150 μ s
Required Minimum Power	0.4 nJ corresponding to 15 μ W @ 26 μ s exposure time
Fizeau Interferometers (FSR)	8 GHz /16 GHz
Calibration	A well known laser source (e.g. SLR 1532) $\Delta v < 10$ MHz
Recommended Calibration Period	1 day
Warm-up Time	30 min
Dimensions	436 × 342 × 133 mm
Weight	3.5 kg
Interface	GbE
Power Supply	100 – 240 V, 50 – 60 Hz

1) Depends on gain mode.

2) Depends on PC and measurement rate.



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HighFinesse
The Standard of Accuracy



Ångström

External Trigger (TTL)

External triggering allows the user to synchronize wavelength measurement with external setup by means of TTL pulses. The light sensitive sensors are prepared for measurement up to a specifiable integration time after the arrival of the external trigger pulse.

Typical Applications

The WS Fast Series offers excellent accuracy combined with maximum data acquisition rate up to 76 kHz. Even fast dynamics in the kHz range can be measured this way. Different measurement modes enable the user to record or view the frequency behaviour of the light source.

Further Information

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

HighFinesse Team

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