



Fast Wavelength Meter Overview WF Series



HighFinesse
The Standard of Accuracy



Ångström

	WF6-600 VIS	WF6-200 VIS	WF6-200 IR-I	WF6-600 IR-II	WF7 IR-II
Measurement range (QE > 60%)	380 – 1064 nm	530 – 1064 nm	980 – 1650 nm	1400 – 2600 nm	1400 – 2600 nm
Absolute accuracy	600 MHz	200 MHz	200 MHz	600 MHz	60 MHz
Quick coupling accuracy	600 MHz	600 MHz	600 MHz	Singlemode fibers only	200 MHz
Wavelength deviation sensitivity	20 MHz	8 MHz	4 MHz	40 MHz	10 MHz
Exposure Times ¹⁾	3 – 3300 µs	3 – 3300 µs	6 – 9500 µs	12 – 90 µs	26 – 20000 µs
Measurement Rate	300 – 24000 Hz	300 – 24000 Hz	100 – 76000 Hz	100 – 32000 Hz	up to 20000 Hz/up to 38 kHz
Live Calculation Speed ²⁾	24000 Hz	24000 Hz	28000 Hz	20000 Hz	5 kHz
Live Calculation Latency ²⁾	≥ 33.6 – 0.7 ms	≥ 33.6 – 0.7 ms	≥ 100.3 – 0.4 ms	10 ms – 150 µs	10 ms – 150 µs
Minimum required input energy and power	100 µW @ 3 µs / 0.29 nJ @ 532 nm	100 µW @ 3 µs / 0.29 nJ @ 532 nm	1 mW @ 6 µs / 6 nJ @ 1532 nm	100 µW @ 24 µs / 2.4 nJ @ 1532 nm and 100 µW @ 24 µs / 2.4 nJ @ 2327 nm	0.4 nJ corresponding to 15 µW @ 26 µs exposure time
Fizeau interferometers (FSR)	16 GHz / 100 GHz	16 GHz	16 GHz	16 GHz	8 GHz / 16 GHz
Calibration	Stabilized HeNe laser or any other well known laser source $\Delta v < 150$ MHz		A well known laser source (e.g. LFR-1532) $\Delta v < 40$ MHz		A well known laser source (e.g. LFR-1532) $\Delta v < 10$ MHz
Recommended calibration period	1 month			1 day	
Warm-up time	30 min			30 min	
Dimensions	432 × 144 × 144 mm		436 × 342 × 133 mm		436 × 342 × 133 mm
Weight	3.5 kg		3.5 kg		3.5 kg
Interface	USB 2.0 and GbE	USB 2.0 and GbE	USB 2.0 and Camera Link	GbE	GbE
Power supply	External 12 V	External 12 V	External 12 V	100 – 240 V, 50 – 60 Hz	100 – 240 V, 50 – 60 Hz

1) Depends on gain mode. 2) Depends on PC and measurement rate.

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