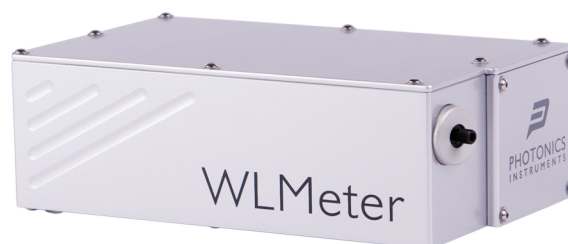


HIGH-ACCURACY WAVEMETER WLMeter

- ± 3 pm accuracy in the 190-1200 nm spectral range
- Analysis of pulsed and CW lasers and diodes
- Display spectra and spectral line shape
- Multimode optical fiber or free space input
- Reliability and long-term stability
- Power and control via USB interface



WLMeter is a unique precise device for wavelength measurement of both CW and pulsed laser type. Equipped with extensive opportunities for spectrum analysis including FWHM determination, high absolute accuracy (up to ± 3 pm) in a broad spectral range 190-1200 nm, and a compact design free from movable components, the WLMeter is an essential device for a wide variety around the laser applications.

To maintain an accuracy of better than ± 3 pm, the WLMeter uses any available He-Ne reference laser for periodic calibration correction. In the absence of a He-Ne laser in the laboratory, we offer an optional filter and special factory calibration to make calibration correction with any mercury lamp with a 546.073 nm wavelength. Consult our specialist for further information.

Wavelength range	190 ... 1200	nm
	52 600 ... 8 300	cm^{-1}
	1 577 ... 250	THz
Laser/diode type	Pulsed and CW	
Accuracy	± 3	pm
	0.8 at 190 nm ... 0.02 at 1200 nm	cm^{-1}
	25 at 190 nm ... 0.6 at 1200 nm	GHz
Spectral resolution	30 000	$\lambda/\Delta\lambda_{\text{FWHM}}$
Spectral resolution (as a function of wavelength)	6 at 190 nm ... 40 at 1200 nm	pm
	1.75 at 190 nm ... 0.28 at 1200 nm	cm^{-1}
	52 at 190 nm ... 8.3 at 1200 nm	GHz
Maximum Bandwidth, FWHM	0.5 at 190 nm ... 18 at 1200 nm	nm
	125	cm^{-1}
	3 750	GHz
Minimum Input Power ¹⁾	0.5 uW or 50 uJ	
Optical Input	Diffuse attenuator: Multimode optical fiber (SMA-905 connector): Direct (free space aperture) Input	
Instrument Interface	High-Speed USB	
Synchronization	External	
Requirements for external sync pulse	Positive Polarity, 3 - 15 V amplitude, 5 - 20 ms pulse duration at half maximum, ~ 10 ms rise time	

1) For the minimum time of 7ms: if the power of the light source is lower, then you can increase the integration time