

Fastest Commercially Available Wavelength Meter

Measure your laser's wavelength with unprecedented speed. The WS Fast series features ultra high speed measurement rates, the fastest commercially available. Excellent accuracy combined with a maximum data acquisition rate of up to 76 kHz.

The WS Fast Series offers excellent accuracy combined with maximum data acquisition rate of up to 76 kHz, allowing fast dynamics in the kHz range to be directly observed. Different measurement modes enable the user to record or view the frequency behavior of the light source.

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. HighFinesse offers the WS Fast devices as compact device, standalone device, in a 19-Inch rack-mount case or customized to your needs.

Fizeau based interferometers

The optical unit consists of Fizeau-based interferometers which are read out by photodiode arrays. We achieve remarkable high accuracy and stability by using exclusive, non-moving optics. The sturdiness of our design has been proven even under extreme conditions such as freefall dropping experiments or in air-borne applications (LIDAR). The absence of movable parts ensures our most valued advantages, e.g. high-speed measurements of pulsed and continuous lasers.

Standalone Wavelength Meter

HighFinesse / Ångstrom wavelength meters are also available in an industry standard 3U 19-inch case, allowing easy integration into existing rackmount systems. A standalone version allows full use of the device without the need for a connection to a PC. Measurements can be recorded directly onto the device internal storage or externally. They can be stored easily on USB flash drives, HDD/SSDs, or accessed the wavelength meter via SCPI client. This modification is available for all wavelength meter models (except FAST series).

Visit www.highfinesse.com for further information.



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Features:

- Turnkey Wavelength Measurement
- Longterm Graph
- Relative Power Measurement
- Network: SCPI via Ethernet
- Linewidth Estimation (Option)
- External Trigger (Option)
- PID Laser Control (Option)
- Multichannel Switch (Option)

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TOPTICA has been developing and manufacturing high-end laser systems for scientific and industrial applications for 20 years. Our portfolio includes diode lasers, ultrafast fiber lasers, terahertz systems and frequency combs. The systems are used for demanding applications in biophotonics, industrial metrology and quantum technology. TOPTICA is renowned for providing the widest wavelength coverage of diode lasers on the market, providing high-power lasers even at exotic wavelengths. Today, TOPTICA employs 340 people worldwide in six business units (TOPTICA Photonics AG, TOPTICA eagleyard, TOPTICA Projects GmbH, TOPTICA Photonics Inc. USA, TOPTICA Photonics K.K. Japan, and TOPTICA Photonics China) with a consolidated group turnover of € 76 million.