

Raman Spectrometer



The Omni-iSpec™ is a Raman spectrometer integrated with a high throughput spectrograph (Omni-iSpecT). It is designed for high resolution and high speed Raman imaging. The Omni-iSpec™ has two models to accommodate different requirements:

lasers, wavelength and spectral resolution. The high light collection efficiency capabilities of Omni-iSpecT spectrograph combined with ultra-sensitive CCD detectors offer versatile and sensitive detection solution for VIS & NIR applications.

<https://www.idil-fibres-optiques.com/product/high-performance-raman-spectrometer-omni-ispectm/>

OPTICAL POWER METER

OPM-200 from Santec Corporation is a high performance optical power meter designed to provide accurate and precise measurements with a dynamic range of +8dBm to -80dBm. The OPM-200 is equipped with a variety of features that make it suitable for lab environments, while also being simple and robust for seamless integration into a manufacturing production line. An InGaAs detector enables measurements from 840nm to 1700nm, while the integrating sphere option is ideal for multifiber connectors or wide area beam applications.



<https://inst.santec.com/news/opm-200-released>



Metrology system for flat optics

MESO metrology system is a one-stop solution for *in situ* process control of flat optics. A unique instrument allows to measure at several different wavelengths without chromatic aberration and to characterize optics with a large range of diameters without loss in resolution. Key innovations include an enhanced ultra-high wavefront sensing resolution and a patented procedure for the testing of (thin) plane parallel optics.

<https://www.imagine-optic.com/products/meso-metrology-system/>

DIFFUSE REFLECTION LIGHT SOURCE



The L16462-01 is a light source integrating lamps and bundled optical fibers for diffuse reflection measurement in near-infrared spectrophotometry. This light from

lamps is irradiated to a sample, and is diffused and reflected. The light which is guided into the optical fibers can be used for spectroscopic analysis by connecting with a near-infrared spectrometer.

https://www.hamamatsu.com/eu/en/news/featured-products_and_technologies/2023/2023021700000.html

High-finesse optical reference cavity



This High Finesse Optical Reference Cavity with Crystalline Mirrors (XM-ORC) is the result of the combined expertise of Menlo Systems (ultrastable laser systems and reference cavities) and Thorlabs (high performance optical components). The optical cavity exhibits finesse values either greater than 300,000 for operation at 1550 nm or 1397 nm or greater than 100,000 for operation at 1064 nm.

<https://www.menlosystems.com/products/ultrastable-lasers/xm-orc/>

THE FUTURE DEPENDS ON OPTICS



LASER OPTICS Made by Edmund Optics®

Edmund Optics® designs and manufactures a full range of optical components ideal for laser applications.

- ✓ Extensive In-Stock Inventory
- ✓ State-Of-The-Art Metrology
- ✓ Advanced Coating Capabilities
- ✓ Custom Manufacturing Available

Find out more about EO's
Laser Optics Capabilities at:

www.
edmundoptics.eu/LO



Visit us at **LASER** World of **PHOTONICS**

June 27-30, 2023 | Booth B1.415

EO Edmund
optics | worldwide