

Columbia Spectrometer Series



Overview

The MMS family is a series of cost-efficient, miniaturized and robust spectrometers. This high-throughput spectrometers are equipped with a diode array detector for highest SNR, ideally suited for portable, process and OEM applications. ESI and APCI ion sources may be manually changed by users. Available inlets include Flow-Injection Analysis (FIA), PlateExpress TLC plate reader, and an Atmospheric pressure. The M Series II monochromators are the large focal length monochromators of choice for the most demanding spectroscopy applications such as Raman, Plasma Emission, LIBS and others. With a spectral resolution down to 0.006 nm and an optional dual automated entrance and exit ports, the M Series II. The new ICPMS-2040/2050 features a high-performance quadrupole mass filter with enhanced resolution COLUMBIA, MD — Shimadzu Scientific Instruments introduces the ICPMS-2040/2050 series of inductively coupled plasma mass spectrometers that feature a proprietary advanced mini-torch system, a. This instrument precisely detects biological (fluorescence and luminescence) events of samples contained within 96-well microplates and measures photophysical properties of known and novel molecules (absorbance and excitation/emission) Flash system with UV-Vis detector and fraction collector. Its small size means it. The Mass Spectrometry Core Facility maintains instruments on the 2nd and 5th floors of Havemeyer Hall.



Article Content

Dec 29, 2025

UV-VIS Spectrometers

View product information for UV-VIS Spectrometers. spectrometer is built with the linear CCD type sensor and high performance 32bits RISC controller in. The optical engine is very simple and

Feb 16, 2026

Illuminance Spectrometer

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Illuminance Illumination Illuminators Light Sources Chromaticity Color Light Lighting
Measurement Sources

May 06, 2026

UV Spectrometers

CTR series Raman Spectrometer is a state-of-the-art Raman Spectrometer with an unmatched capability to identify a broad range of materials, as well as to quantify material concentrations at

Oct 31, 2025

New Inductively Coupled Plasma Mass Spectrometer

COLUMBIA, MD — Shimadzu Scientific Instruments introduces the

Oct 14, 2025

Spectrometer Module

The Jaz spectrometer brings you an unparalleled level of flexibility. Its unique features and expandable platform make it a good choice for applications in the lab or in the field, including greenhouse lighting

Nov 28, 2025

Instruments | Mass Spectrometry & MS Imaging

This Waters SFC-MS instrument includes a low resolution single-quadrupole mass spectrometer with a range up to 3000 m/z. A combined ESI and APCI source allows for rapid, automated switching

Mar 06, 2026

OCT Spectrometer | Industry-Leading | Manufacturer

Home / Enabling OCT with Innovative Solutions / Cobra OCT Spectrometer Series
Cobra OCT Spectrometer Series Explore the industry-leading OCT spectrometer

Mar 03, 2026

Compact Smart Spectrometers

SP Series - Spectrolight, Inc. SP line of computer-based miniature array spectrometers offer state-of-the-art performance yet have compact form factors. Their versatile design and ease of use make

Jul 21, 2025

Fiber Spectrometers

CTR series Raman Spectrometer is a state-of-the-art Raman Spectrometer with an unmatched capability to identify a broad range of materials, as well as to quantify material concentrations at

Jul 15, 2025

Instruments | Mass Spectrometry & MS Imaging

MALDI-TOF spectra were obtained from the Columbia University Chemistry Department Mass Spectrometry Facility on a Bruker ultrafleXtreme MALDI

Dec 30, 2025

Analytical Testing / Measuring Instruments | Shimadzu

Shimadzu provides a broad range of analytical instruments indispensable for research, development, and quality control in a variety of fields. Our high-level,

Jul 12, 2025

Mass Spectrometry at Columbia Chemistry

Mass Spectrometry at Columbia Chemistry The mass spectrometry facility in the Department of Chemistry is designed to provide chemists with valuable data quickly and easily.

Jul 11, 2025

Staff Associate II

- JOB: 10 May - Position Summary The Biomarkers Core Laboratory seeks an experienced and highly motivated Staff Associate II with specialized expertise in biological mass spectrometry and high

Mar 21, 2026

Spectrometer Modules

The MMS family is a series of cost-efficient, miniaturized and robust spectrometers. This high-throughput spectrometers are equipped with a diode array detector for highest SNR, ideally suited for portable,

Oct 17, 2025

Columbia University

See individual instrument descriptions for more information. With the exception of the Waters QTOF, all instruments in the MS Core are walk-up instruments available 24/7 to trained users. The Bruker

Nov 07, 2025

Long Focal Length Spectrometer

The M Series II monochromators are the large focal length monochromators of choice for the most demanding spectroscopy applications such as Raman, Plasma Emission, LIBS and others. With a

Mar 03, 2026

Faculty Owned Instruments | Chemistry

We have three wide-field microscopes appropriate for single-molecule based research. Each microscope has slightly different capabilities.

Nov 25, 2025

Optical Emission Spectrometers

Optical emission spectrometers (OES) and the measuring principle of the atomic emission are the ideal method and provide the perfect instrumentation for metal

Sep 14, 2025

Miniature Footprint Spectrometer

The MMS family is a series of cost-efficient, miniaturized and robust spectrometers. This high-throughput spectrometers are equipped with a diode array detector for highest SNR, ideally suited for portable,

Mar 11, 2026

Spectrometers

Our Elite series spectrometers are for applications that require long integration times that demand high repeatability. These spectrometers can also be configured for ultra-high resolution. They are

Jun 07, 2026

Raman Spectrometer

The CTR series Raman Spectrometer offers unparalleled sensitivity and resolution, making it ideal for nanoscale analysis and intricate molecular investigations.

Contact Us

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