

Canadian Multifunctional Spectrometer



Article Overview

Canada offers a range of multifunctional spectrometers for UV-Vis, Raman, and mass spectrometry applications, with both compact and high-performance models available from leading manufacturers.

Key Canadian Manufacturers and Models

Resonance Ltd. produces compact spectrometers and monochromators, such as the VS7550 miniature Czerny-Turner spectrograph, which offers software-controlled slit size, grating angle, and spectral range from 185 nm to 1100 nm. Their VM92 vacuum monochromator can be coupled directly to vacuum chambers for in-situ measurements, making it suitable for research requiring high spectral resolution in a small package. Aurora Instruments Ltd. in Vancouver manufactures analytical instruments for elemental analysis, including Atomic Absorption Spectrometers (AAS), Graphite Furnace AA, Atomic Fluorescence Spectrometers (AFS), and UV/Vis spectrophotometers. These instruments are widely used in life sciences, environmental monitoring, and chemical analysis. Sciencetech Inc. specializes in high-performance optical instruments for research and industrial applications, offering reliable spectrometers for diverse analytical needs. Tornado Spectral Systems focuses on Raman spectroscopy, providing systems like the HyperFlux™ PRO Plus, which uses High Throughput Virtual Slit (HTVS™) technology to enhance sensitivity and throughput. These systems are ideal for non-destructive, real-time measurements in pharmaceuticals, petrochemicals, and biotech. ISOSPARK offers portable metal analyzers and ICP-MS instruments, such as the SPECTROPORT and SPECTRO MS, which allow rapid elemental and isotopic analysis, suitable for field or laboratory use.

Applications

Article Content

Mass spectrometry, CE, and software products | SCIEX

Mass Spectrometry breakthroughs by SCIEX, global leader in life science analytical technologies. SCIEX is a global leader in mass

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Spectrometer Manufacturers

The leading Spectrometer Manufacturers in Canada are listed in this directory. You can narrow down the list of manufacturers based

LC-MS, CE, and software solutions | SCIEX

Biomedical and omics research Food and beverage testing End-to-end mass spectrometry solutions for versatile, reliable food safety

Top 100 Spectrometer Manufacturers in Canada (2026) | ensun

Discover all relevant Spectrometer Manufacturers in Canada, including ISOSPARK Analytical Solutions and Tornado Spectral Systems

Spectrometers & Spectroscopy Equipment | Edmund Optics

Explore optical spectrometers, systems, and components for spectroscopy, detection, and analysis. Ideal for UV-VIS, NIR, Raman,

C30 Portable Spectrometer

Compact portable spectrometer based on advanced CCD detection technology. Boasts all of the features of a conventional benchtop

Research & Technology – Gemology World – Canadian Institute of

Gemlab Research & Technology (GLR& T) is part of Gemlab Group and a subsidiary of the Canadian Institute of Gemmology

GL Gem Spectrometer – Gemology World – Canadian Institute of

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Mass Spectrometry

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5 Spectrometers Companies From Canada Tip: Select a quick entry below to view selected spectrometers companies by industry.

Canadian Society for Mass Spectrometry

The Canadian Society for Mass Spectrometry is an organization that promotes mass spectrometry in Canada. The goal of the society

Geospectra | Field Instruments for Mining & Exploration

Geospectra provides field-ready XRF, XRD, UV-Vis-NIR and gamma spectrometry tools for mining and exploration, for sale and

Spectrometers from Manufacturers in Canada

81 Spectrometers from 11 manufacturers listed on GoPhotonics. Search by specification. Selected filters - Country : Canada, Page-1.

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