

A comprehensive price list for large-scale spectrometers



AI Overview

Large spectrometers can range from \$50,000 for basic models to over \$1.5 million for high-end, high-resolution systems. Mass Spectrometer Pricing The cost of mass spectrometers varies significantly depending on the type and performance specifications. Quadrupole mass spectrometers, suitable for routine analysis, typically cost \$50,000 to \$150,000. Time-of-flight (TOF) systems start around \$200,000 and can exceed \$500,000 for premium models. Ion trap spectrometers range from \$100,000 to \$300,000, while Orbitrap systems are high-resolution instruments costing \$400,000 to over \$1,000,000. The most advanced Fourier transform ion cyclotron resonance (FT-ICR) spectrometers can exceed \$1.5 million, offering ultra-high precision for complex molecular analysis (Excedr). Optical and Raman Spectrometers Preconfigured optical and Raman spectrometer systems, often used for chemical, fluorescence, or display analysis, vary widely in price depending on wavelength range, resolution, and included accessories. For example, dual spectrometer systems with NIST-traceable calibration, fiber optic cables, and high-resolution detectors can cost tens of thousands to over \$100,000, depending on configuration and sensitivity (Effemm2). Factors Affecting Cost Resolution and sensitivity: Higher resolution and faster data acquisition increase price. System type: Mass spectrometers, Raman, and optical spectrometers have different base costs. Accessories and software: Fiber optics, calibration sources, and analysis software add to the total investment. Operational costs: Consumables, maintenance, and service contracts can significantly increase long-term expenses. Purchasing Options Large spectrometers can be purchased directly from suppliers such as Farnell UK, Amazon, or specialized chemical analysis vendors, often requiring a quote for hi...

Article Content

Mass Spectrometry Pricing: A Complete Guide to Costs and Options

A Comprehensive Guide to Mass Spectrometry Pricing and Options Mass spectrometry (MS) is a powerful analytical technique that is indispensable in various fields, including chemistry,

Price Guide: Spectrometers

Price Guide: Spectrometers Historical Prices - The prices listed in this guide are asking prices and do not reflect the price in which the item was sold for or the item's retail value.

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For exact pricing on specific models, submit a Request for Quote (RFQ) and receive competing quotes to compare from our network of Mass Spectrometer suppliers. You may also download and print this

How Much Does a Mass Spectrometer Cost?

Examples of mass spectrometer prices: Basic benchtop mass spectrometers: These instruments are typically used for basic research or

Spectroscopy Ninja

Price includes slit, UV detector upgrade, detector lens, integrated order sorting filters, composite grating mounted in large optical bench for wide range, TE cooled detector, and USB-2 interface cable.

Top 10 Public Mass Spectrometry Companies

The conversion of large-scale, complex mass spectrometry data into meaningful structural insights through ChemEcho, a machine learning embedding method, published in August by

Mass Spectrometer Costs: A Comprehensive Guide to Pricing

Understanding Mass Spectrometer Pricing Mass spectrometers represent a wide range of pricing structures based on their technology, features, and applications. New models often come

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Mass Spectrometer Costs: How Much Should You Budget?

In this guide, we'll break down the factors that influence mass spectrometer pricing, compare cost ranges for different system types, and explore whether buying or leasing is the best

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Mass spectrometers provide accurate analysis and quality control across various fields. Using high-quality equipment speeds up the research process, increases the reliability of analysis, and reduces

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Spectrometer manufacturers, handling companies and product information Reference price is compiled here. IPROS GMS offers comprehensive B2B resources for the Spectrometer

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How much does a mass spectrometer cost? The typical price of a new mass spectrometer varies dramatically depending on the model.

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Enhance your research with top-notch mass spectrometers like the Perkin Elmer NexION 300X ICP/MS and Thermo Fisher Scientific LTQ Orbitrap XL. Shop now on eBay!

The Best NMR Spectrometers of 2026: A Buyer's Guide

Discover the top-rated NMR spectrometers of 2026 for research and industry. Compare high-field and benchtop models to find the right fit for your lab.

Mass Spectrometer Cost: A Comprehensive Guide to Pricing and

How much does a new mass spectrometer cost? New mass spectrometers can range in price from about \$20,000 to over \$2.5 million, depending on the model and specifications. What are

Mass Spectrometers

Mass Spectrometers Spectrometers that detect, identify, and quantify molecules within samples based on molecular mass-to-charge ratio after ionization. Mass spectrometers employ various ionization

Mass Spectrometer Cost – mLab Supply

This guide breaks down mass spectrometer pricing, system types, applications, ownership costs, and strategies to reduce capital expenditure without compromising analytical performance.

Raman Spectroscopy Instrument Pricing: A Comprehensive Guide

Instrument Type Obviously the first factor we'll cover is instrument type, which plays a significant role in pricing: Handheld Raman spectrometers are compact, designed for real-time

Mass Spectrometers | LCMS Instruments | GCMS Systems

Our inventory features a wide range of mass spectrometry technologies, from triple quadrupole systems, to high-resolution and TOF mass spectrometers, supporting a variety of applications in proteomics,

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