

Price of Gas Spectrometer



AI Overview

Gas spectrometers, particularly GC-MS systems, typically range from \$50,000 to over \$500,000 depending on type, brand, and features.

Price Ranges

- Entry-level benchtop GC-MS systems: Around \$50,000 to \$150,000, suitable for routine laboratory analysis and environmental testing.
- Mid-range systems (e.g., quadrupole or ion trap GC-MS): \$100,000 to \$300,000, offering higher sensitivity and structural analysis capabilities.
- High-end or research-grade systems (e.g., TOF, Orbitrap, or FT-ICR mass spectrometers): \$400,000 to over \$1,500,000, providing ultra-high resolution and advanced analytical performance.

Used or refurbished instruments: Can be significantly cheaper, with prices starting as low as \$10,000 to \$100,000 depending on model and condition.

Factors Affecting Cost

- Instrument Type:** GC-MS, LC-MS, quadrupole, TOF, ion trap, and Orbitrap systems vary widely in price due to resolution, sensitivity, and application scope.
- New vs. Used:** Used instruments offer cost savings but may require additional maintenance or calibration.
- Brand and Model:** Premium brands and advanced models command higher prices.
- Operational Costs:** Consumables, software, service contracts, and maintenance can add significantly to the total investment.
- Financing Options:** Some suppliers offer leasing or monthly financing, e.g., around \$1,300/month for a \$147,000 average mass spectrometer over 60 months.
- Purchasing Options** Online marketplaces like Amazon and eBay offer a range of GC-MS instruments with varying prices and shipping options. Specialized lab equipment platforms such as LabX and KWIPPED provide new, used, and auctioned instruments, often with the ability to request quotes for specific models.

Summary When budgeting for a gas spectrometer, consider both the initial purchase price and ongoing operational costs. Entry-level systems are accessible for smaller labs, while high-end research instruments require substantial investment. Exploring used equipment or financing options can help manage costs while acquiring the des...

Article Content

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Mass Spectrometers for sale

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!

Wiley Online Library

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Amazon : Spectrometers

Online shopping for Spectrometers - Spectrometry from a great selection at Industrial & Scientific Store.

Shop Gas Chromatography (GC) Systems For Sale,

Find new, surplus, and used gas chromatographs at LabX. Your resource for buying analytical instruments and GC Systems from all major brands.

New & Used gas spectrometer price

Search for used gas spectrometer price. Find Agilent - Keysight, Sciex, Perkin Elmer, Pfeiffer, Nicolet, and MDS for sale on Machinio.

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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SHIMADZU QP 2020 NX Spectrometer used for sale price

SHIMADZU QP2020 NX is an advanced GC-MS equipment known for its high sensitivity and accuracy in compound identification across various applications such as environmental analysis, food safety,

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Comprehensive Gas Chromatography Price List

Explore our detailed Gas Chromatography Price List for cost-effective solutions and budget-friendly options.

Foodres AI Printer Food Waste 3D Printing by Yiqing

Foodres AI Printer Food Waste 3D Printing The Foodres AI Printer is a desktop pallet 3D printer that transforms food scraps and organic waste into creative

How Much Does a Mass Spectrometer Cost?

The cost of a mass spectrometer can vary widely depending on the type of instrument, its features, and the manufacturer (OEM). More advanced

Infrared spectroscopy

Infrared spectroscopy (IR spectroscopy or vibrational spectroscopy) is the measurement of the interaction of infrared radiation with matter by absorption,

Cost of a GC/MS and LC/MS System: Pricing Overview

The cost of Gas Chromatography-Mass Spectrometry (GC/MS) and Liquid Chromatography-Mass Spectrometry (LC/MS) systems varies widely,

Shop Atomic Absorption Spectrophotometers For Sale,

Prices for new atomic absorption spectrometers typically range from \$20,000 to \$150,000, depending on the model, detection capabilities, and additional

Gas Spectrometer Cost Affordable Options for

However, the price of a gas spectrometer can vary significantly depending on several factors that influence its performance, accuracy, and functionality. One

How Much Does A Gas Chromatograph Cost?

Cost of New GCs: A Leap into Modern Technology Investing in a brand-new gas chromatograph means accessing the pinnacle of current technology. Prices rang

GC-MS Price Guide: New, Used, and Refurbished Options Explained

The Ultimate Guide to GC-MS Pricing: New, Used, and Refurbished Options In the world of analytical chemistry, Gas Chromatography-Mass Spectrometry (GC-MS) stands as a cornerstone

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How much do GC systems cost? Prices for new systems generally range from \$15,000 to \$100,000, depending on the complexity, features, and capabilities of

Contact Us

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