How much does a dual-channel spectrometer cost



Overview

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

Key Takeaways

Dual-channel spectrometers typically range from $3,000 to $60,000 depending on configuration, brand, and features, with exact quotes available directly from vendors.

Overview of Dual-

Channel SpectrometersDual-channel spectrometers allow simultaneous measurements or higher resolution compared to single-channel systems. They are used in applications such as reflectance, absorbance, fluorescence, and multi-wavelength analysis. Popular models include the AvaSpec StarLine dual-channel spectrometers, which can be configured with two AvaSpec-ULS2048CL or ULS4096CL spectrometers for independent operation.

Other options include preconfigured dual-radiometer systems covering UV to NIR ranges (250–1700 nm) with NIST-traceable calibration.

Price Ranges



© 2026 BAGYOU FIBRE NETWORKS · All rights reserved

New spectrophotometers and dual-channel systems: $3,000 to $60,000, depending on wavelength range, sensitivity, and additional features. High-end or specialized dual-channel systems (e.g., advanced fluorescence detection, extended UV-Vis-NIR coverage): typically at the upper end of the range, $40,000–$60,000. Used or refurbished systems: $1,000 to $30,000, depending on condition, brand, and capabilities.

How to Obtain a Formal QuoteContact vendors directly: Companies like Avantes, CIQTEK, Shimadzu, Agilent, PerkinElmer, and Thermo Fisher Scientific provide quote requests through their websites. Specify configuration needs: Include wavelength range, resolution, fiber optic accessories, and calibration requirements. Request additional services: Some vendors offer software packages, calibration certificates, and technical support, which can affect pricing.

Recommendations

For general laboratory applications, a mid-range dual-channel spectrometer ($5,000–$20,000) is often sufficient. For high-precision or research-grade applications, consider systems with NIST-traceable calibration and extended spectral coverage, which may cost $40,000 or more. Always request a custom quote to ensure the system meets your specific measurement requirements and includes any necessary accessories or software.

By contacting vendors directly, you can obtain accurate, up-to-date pricing and explore options for both new and used dual-channel spectrometers.

Article Content

Spectrometry: Industrial & Scientific

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

Buy Spectrophotometer, UV-Vis, Fluor For Sale, New & Used Prices

Prices for new systems generally range from $3,000 to $60,000, depending on the wavelength range, sensitivity, and additional features. High-end models designed for advanced fluorescence detection

Spectrophotometers for sale

Enhance your lab with top spectrophotometers like Eppendorf Biophotometer and Hamamatsu L6637. Unlock precision measurements. Shop on eBay today!

Spectrometers & Spectrophotometers for sale | eBay

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

Get the best deals on Spectrometers & Spectrophotometers when you shop the largest online selection at eBay . Free shipping on many items | Browse your favorite brands | affordable prices.

ICP-OES and ICP-AES Systems For Sale

View a variety of new and used products from a variety of sellers below. Contact them directly to request a quote. Buy and sell, new and used ICP-OES and ICP-AES systems.

Alpha Suite Alpha Spectrometers | Radionuclide Detection | AMETEK

Benchtop dual alpha spectrometer with two alpha spectroscopy channels. Each unit includes 100% fully computer controlled vacuum measurement, variable detector bias supply (switchable positive or

Dual Channel Spectrometer | StarLine | Avantes

Explore the dual channel spectrometer in the Avantes StarLine range for simultaneous measurements and flexibility. Learn more.

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

Affordable NMR | Bruker

The AvanceCore is a full-fledged, two-channel 400 MHz NMR spectrometer. Additional features can be flexibly enabled and disabled with software subscriptions. You only pay for what you need, when you

Spectrophotometer Pricing Guide: What to Expect

Wondering how much a spectrophotometer costs? Explore pricing ranges, key features, and what to expect when budgeting for your lab.

Raman Spectroscopy Instrument Pricing: A Comprehensive Guide

Factors That Influence Raman Spectrometer Costs The cost of a Raman spectrometer varies widely, from $10,000 for basic handheld models to $500,000 or more for high-performance

Buy Mass Spectrometers For Sale, New & Used Prices | LabX

When purchasing, also review the compatibility with upstream devices such as LC systems and software support, from either the manufacturer or vendor. How much does a mass spectrometer cost? The

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

Shop Spectroscopy Instruments For Sale, New and Used Prices | LabX

How much does spectroscopy equipment cost? Prices for new spectroscopy systems generally range from $15,000 to $200,000, depending on the type of spectroscopy, sensitivity, and advanced features.

How Much Does an OES Spectrometer Cost? | 2026 Price Guide

Real-world OES spectrometer price ranges for 2026 -- entry-level to high-end, Chinese vs Western brands, plus total cost of ownership and how to get a meaningful quote.

Compact two-channel spectrometer S150 Duo • SOL instruments

Two-channel spectrometer S150 Duo is designed for spectral analysis of electromagnetic radiation and wavelength measurements of lasers.

How Much Does an XRF Spectrometer Cost?

Ever wondered how much an XRF spectrometer really costs? The answer isn''t so simple, it depends on a variety of factors. In this article, I will walk

Dual Channel Spectrometer | StarLine | Avantes

Sometimes a single-channel spectrometer is not enough, for example, when you want higher resolution or perform two redundant measurements simultaneously. The AvaSpec dual-channel spectrometers

Unveiling the Cost Secrets: How Much Does a Mass Spectrometer

Discover the cost breakdown of mass spectrometers, comparing various models and factors affecting pricing. Get a comprehensive guide on budgeting for high-quality analytical tools,

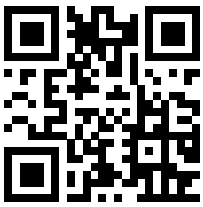
© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://bagyou.es
Technical inquiry: https://bagyou.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.



© 2026 BAGYOU FIBRE NETWORKS - All rights reserved