

How much does a portable spectrometer cost

Article Overview

Portable spectrometers typically range from around \$200 for basic models to over \$5,000 for professional handheld devices.

Price Ranges and Options

- o **Entry-Level Models:** Basic portable spectrometers, such as lab LED spectrophotometers for plant or light measurement, are available on Amazon for approximately \$200-\$500. These devices often feature wavelength measurement from 340-1000 nm, IP53 dust and water resistance, and adjustable integration times for lab or field use .
- o **Professional Handheld Spectrophotometers:** High-precision devices from brands like X-Rite are designed for industrial, printing, and paint applications. Prices for these portable spectrophotometers typically start around \$2,000-\$5,000, depending on features such as multi-angle measurement, color imaging, and advanced targeting technologies .
- o **Used or Refurbished Units:** Platforms like eBay offer used or refurbished spectrometers and spectrophotometers, including models from Thermo Scientific and JASCO, often at lower prices than new units. Prices vary widely, from a few hundred dollars to several thousand, depending on the model and condition .

Factors Affecting Price

- o **Measurement Range and Accuracy:** Devices with broader wavelength ranges or higher precision sensors cost more.
- o **Portability and Durability:** Waterproof, dustproof, or ruggedized models are priced higher.
- o **Software and Connectivity:** Advanced software for data analysis, wireless connectivity, or integration with lab systems increases cost.
- o **Brand and Support:** Established brands like X-Rite or Thermo Scientific often command premium prices due to reliability and customer support.

Summary

For casual or educational use, portable spectrometers under \$500 are sufficient. For professional applications requiring high accuracy, multi-angle measurements, or industrial color analysis, expect to pay \$2,000-\$5,000 or more. Used or refurbished units can provide cost savings but may have limited warranty or support .

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How much does a portable spectrometer cost

eBay.com. Free shipping

Mass Spectrometers Spectrometers that detect, identify, and quantify molecules within samples based on molecular mass-to-charge

Mass spectrometers, in general, can be obtained for as little as 40% of their list price depending on a lot of different factors. At the

How much does an XRF Analyzer Cost? There are a wide variety of XRF analyzers on the market, ranging from handhelds and

MX908 is a handheld mass spectrometer used by first responders for rapid trace-level chemical identification of narcotics, hazardous

Sorry in advance if this is a stupid or "how long is a piece of string" question. I have a Waters 2695 HPLC that I use for personal

Ever wondered how much an XRF spectrometer really costs? The answer isn't so simple, it

This rugged 245x250x90mm portable spectrometer delivers fast, precise elemental identification in the field. The 50kV X-ray tube and

A portable spectrometer lets you identify materials, verify raw materials, and measure color properties right at the

Discover Handheld, Portable Raman Spectrometers that "See" Through Opaque Containers The development of handheld Raman

Prices for new systems generally range from \$3,000 to \$60,000, depending on the wavelength range, sensitivity, and additional

The cost of an XRF analyzer can vary widely based on the type of instrument, its features, and how you plan to use it. Handheld

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

How much do IR/FT-IR systems cost? New IR and FT-IR systems typically range from \$15,000 to \$150,000, depending on the



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XRF Company is pleased to offer a variety of handheld and countertop XRF Analyzers for cash for gold, jewelry store, pawn shops,

Browse our offerings below or contact our team to choose the best handheld spectrophotometer for your business. X-Rite's sphere

Web: <https://bssoda.pl>

