

Recommended Small Spectrometers in the USA



Overview

If you're looking for the top USB pocket spectrometers for on-the-go analysis in 2025, I recommend checking out compact models like the Spectryx USBVIS Mini, handheld devices with USB Type-C ports, and versatile units like the Ocean Optics USB2000+. Find portable spectrum analyzers for research, LED testing, and more. Our StellarNet StellarLAB, Spectroscopy Lounge and Laboratory, is 4,000 sqft of hi-tech space dedicated to the science of spectroscopy and customer application development and demonstration. is a Tampa, Florida-based global provider of compact, high-performance spectrometers. Thorlabs' Compact Spectrometers use a crossed Czerny-Turner spectrometer geometry to measure an optical spectrum on a linear array detector. Brendan O'Connor/NC State University A new spectrometer developed at North Carolina State University could bring advanced. Optical spectroscopy is a technique that analyzes how light interacts with matter to reveal the spectral characteristics of a sample. By using an optical spectrometer to measure light intensity across wavelengths, users can determine a sample's composition through precise, non-destructive analysis.



Article Content

Spectrometers – Multichannel, Multispectral

Optical Spectrometer - Grating Spectrometer - Mini Spectrometer - CCD & CMOS Spectrometer From miniature fiber spectrometers to research grade grating

What is Mini-spectrometer? | Mini-spectrometers

Mini-spectrometers are small spectrometers (polychromators) with an integrated optical system, image sensor, and driver circuit. They are portable

Portable & Handheld Spectrophotometers | Learn More

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

Spectrometers | UV VIS NIR | Avantes

Shop Avantes spectrometers covering UV, VIS, and NIR ranges — compact, modular, and built for precision measurement.

Amazon : Spectrometer Handheld

Explore a wide range of handheld spectrometers for light measurement and analysis. Find portable spectrum analyzers for research, LED testing, and more.

Spectrometers

Compact, versatile spectrometers covering UV, Visible and NIR wavelengths are available for lab, field and process solutions.

Compact Spectrometer Products | Pembroke Instruments

Compact spectrometers from Pembroke Instruments provide high-performance spectral measurement solutions for laboratory research, industrial integration,

Amazon Best Sellers: Best Lab Spectrometers

Discover the best Lab Spectrometers in Best Sellers. Find the top 100 most popular items in Amazon Industrial & Scientific Best Sellers.

Spectrometers, Spectrographs, Spectroscopy Cameras

Product PortfolioOur extensive range of spectroscopic instruments includes spectrometers based on gratings and/or etalons with CCD / CMOS line or array

Micro Spectrometers | Spectrecology

At Spectrecology, we aim to provide high-performance, cost-efficient and portable optical spectrometers. To learn more about what we do, contact us today.

Color measurement using spectrometers

Mini-spectrometers are small polychromators with optics, an image sensor, and driver circuit integrated into a compact case. Our mini

The 10 Best Lab Spectrometers of 2026 (Reviews)

What are the best lab spectrometers products in 2026? We analyzed 1,093 lab spectrometers reviews to do the research for you.

Amazon : Spectrometers

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

Compact Spectrometer Products | Pembroke Instruments

Compact UV-VIS-NIR Spectrometers for Scientific, Industrial, and OEM Applications
Compact spectrometers are widely used in scientific research,

Spectrometers & Spectroscopy Equipment | Edmund

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

Mini Rugged Spectrometer Systems | StellarNet Inc

Not only are spectrometers, light sources, and accessories available, but in addition our Technical Sales team has preconfigured systems for Color Measurement, LED Characterization,

Buyer's Guide: Portable Spectrometers | Labcompare

Buyer's Guide: Portable Spectrometers Portable and handheld spectrometers bring detection and identification capabilities off of the bench and

Multifunctional compact spectrometers • SOL instruments

Compact multifunctional two-channel spectrometers from SOL instruments SOL instruments presents compact and easy-in-use two-channel spectrometers

14 Best USB Pocket Spectrometers for On-the-Go

Prepare to explore the top 14 USB pocket spectrometers of 2025, offering portable solutions for precise analysis—discover which one fits your

World's smallest spectrometer delivers full scan under

Challenging that limitation, a team at NC State has now created a working prototype that is just a few square millimeters in size, small enough to

Compact Spectrometers

With dimensions of 112.0 mm x 93.8 mm x 41.5 mm that measure roughly the size of a portable hard drive, the performance of these compact spectrometers is

Contact Us

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