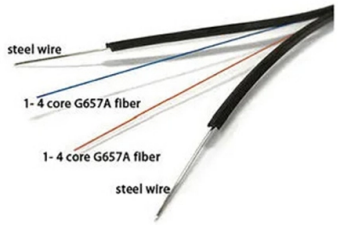
HP Spectrometer



Overview

The proprietary spectrometer design by HP Spectroscopy uses direct source imaging. Consequently, a narrow entrance slit is not needed and light collection is maximized.

Key Takeaways

HP spectrometers are precision analytical instruments used for mass spectrometry, elemental analysis, and high-performance chromatography across research and industrial applications. OverviewHP (Hewlett-Packard) spectrometers are renowned for their accuracy, sensitivity, and versatility in analytical measurements. They include a range of instruments such as gas chromatograph mass spectrometers (GC/MS), inductively coupled plasma mass spectrometers (ICP/MS), and high-performance liquid chromatography (HPLC) systems.

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P spectrometers are widely used in environmental monitoring, forensic analysis, pharmaceuticals, materials science, and academic research. Key Models and ApplicationsHP 5971A GC/MS: Combines gas chromatography with mass spectrometry for trace component detection in complex mixtures, ideal for environmental and forensic applications.

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P 4500 ICP/MS: Provides rapid and sensitive elemental analysis for metals, minerals, and biological samples, offering high throughput and low detection limits.

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P 1050 HPLC Series: High-resolution liquid chromatography systems for analyzing pharmaceuticals, chemicals, and biological compounds with reliable and reproducible results.

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P 8450 Diode Array Spectrometer: Used for UV-Vis spectroscopy, capable of precise absorption measurements for research and industrial applications. Specialized Spectroscopy ToolsHP Spectroscopy GmbH also manufactures customized spectroscopy tools, detector solutions, and beamline instrumentation for vacuum-ultraviolet (VUV), extreme-ultraviolet (XUV/EUV), and X-ray ranges. These instruments are tailored for academic and industrial research, providing advanced measurement capabilities beyond standard laboratory spectrometers.

Availability and PurchasingHP spectrometers are available new and used through distributors and online marketplaces. Platforms like GoPhotonics allow users to search by specifications, download datasheets, and request quotes, while sites like Machinio and CAE Online list used HP spectrometers for sale, including models like the HP 5970 and 5972. Many instruments are maintained in good condition and can be integrated with existing laboratory setups.

AdvantagesHP spectrometers are valued for their: High sensitivity and precisionVersatile applications across multiple scientific fieldsUser-friendly interfaces and reproducibilityCustomizable solutions for specialized research needs These features make HP spectrometers a reliable choice for laboratories seeking accurate, efficient, and advanced analytical instrumentation.

Article Content

maxLIGHT

The proprietary spectrometer design by HP Spectroscopy uses direct source imaging. Consequently, a narrow entrance slit is not needed and light collection is maximized.

HP Spectroscopy

This is the supplier profile of HP Spectroscopy GmbH, with address and other contact information, and with 11 registered photonics product categories.

Spectrometers from HP Spectroscopy

We have compiled a list of Spectrometers from the HP Spectroscopy website/catalog and made their products searchable by specification. Use the filters to narrow down on products based on your

HP-1700 NIR SPECTROMETER

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HP-1700 Nir Spectrometer (380nm-1700nm) HP-1700 (infrared version) is specifically designed for measuring irradiance and wavelength from visible light to red light and infrared light bands, used for

highLIGHT

highLIGHT - Spectrometer from HP Spectroscopy. Get product specifications, Download the Datasheet, Request a Quote and get pricing for highLIGHT on

HPCS-330P Wireless PAR Meter

Spectrometer manufacturer, supplier features all types of spectrometer, spectrometer and colorimeter. Find your service here.

HP Embedded Spectrophotometer

HP has revolutionised professional colour workflows by automating media profiling with an embedded spectrophotometer (and associated firmware and software).

HP 8453 UV-Visible spectrophotometer Specifications

Open sample area means large accessories are easy to use here the Peltier cell holder 0-50 °C (32-122 °F) -40-70 °C (-4-158 °F) The ceramic chassis used in the HP 8453 spectrophotometer is

HP Spectroscopy GmbH | Photonics Buyers'' Guide | Photonics

About HP Spectroscopy GmbH Spectroscopy tools, detector solutions, and beamline instrumentation for the vacuum-ultraviolet (VUV), extreme-ultraviolet (XUV/EUV), and x-ray range.

Spectroscopy solutions XUV | HP spectroscopy

Spectroscopy solutions for the XUV spectral range maxLIGHT pro high-efficiency flat-field XUV spectrometer and beamprofiler Maximum light collection and highest system efficiency available in

Customized UV/VIS spectrometers | HP spectroscopy

HP spectroscopy offers customized device development of UV/VIS/NIR spectrometers for industry and academia. For industrial applications, we are able to meet demanding cost targets with short time-to

HPCS6500 SPECTRORADIOMETER SYSTEM

Spectrometer manufacturer, supplier features all types of spectrometer, spectrometer and colorimeter. Find your service here.

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The proprietary spectrometer design by HP spectroscopy uses direct source imaging. Consequently, a narrow entrance slit is not needed and light collection is maximized. Comparing with traditional

HP SPECTROSCOPY

More Info on HP SPECTROSCOPY Innovative solutions for the generation and measurement of light at vacuum wavelengths and beyond. Spectroscopy tools, detector solutions, beamline instrumentation,

Wireless Spectrometer HPCS330

Spectrometer manufacturer, supplier features all types of spectrometer, spectrometer and colorimeter. Find your service here.

H+P SPECTROSCOPY

Innovative compact VUV spectrometers Our easyLIGHT spectrograph provides aberration-corrected wavelength coverage in the vacuum ultraviolet spectral region. Based on a normal-incidence

Spectroscopy solutions X-ray | HP spectroscopy

Spectroscopy solutions for the X-ray energy range hardLIGHT plasma x-ray spectrometer for extended sources Diagnostic tools for fusion research and

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

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