Recommended Austrian Miniature Spectrometer

Overview

For broad spectral coverage from UV to NIR (up to 1050nm) we recommend ILT950 or ILT560a with 25um width slit; for UV measurement (200 to 450 nm) ILT950UV with 50um width slit is suggested and for application above 900nm the ILT950NIR with InGaAs CCD detector is available. Resolution (nm): 45 When you click "Download Data Sheet", we will record and send your personal contact information to Edinburgh Instruments Ltd. by email so they may correspond with you directly. You also agree that Photonics Media may contact you with information related to this inquiry, and that. Fraunhofer IPMS is a provider of fully-fledged and at the same time cost-effective grating spectrometers. Compared to the conventional use of expensive detector arrays, our spectrometers are based on an advantageous combination of MEMS technology and inexpensive point detectors. We examine major MCS designs based on waveguides, random structures, nanowires, photonic crystals, and more. Suitable for applications such as environmental measurement, color measurement, quality control in. Miniature spectrometers discriminate the wavelength based on the position the light hits at the detector array allowing the full spectrum to be obtained with a single acquisition.

© 2026 ENSAA OPTICAL NETWORKS - All rights reserved

Article Content

Mini-tau Lifetime Spectrometer | Edinburgh Instruments

Request Info Data Sheet Model: Mini-tau Lifetime Spectrometer Company: Edinburgh Instruments Ltd. Type: Benchtop Measurement Techniques:

Compact grating spectrometer

Fraunhofer IPMS is a provider of fully-fledged and at the same time cost-effective grating spectrometers. Compared to the conventional use of expensive detector arrays, our spectrometers are based on an

Miniature Spectroscopy Redefined | Avantes BV

In applications where size matters, the AvaSpec CompactLine offers spectrometers with one of the smallest form factors on the market today. Because of the small

Review of Miniaturized Computational Spectrometers

Recent advancements in nanophotonics and computational techniques have contributed to new spectrometer designs characterized by miniaturization and enhanced performance. This

Hamamatsu Mini Spectrometers – Stantron

We offer over 20 different types of mini spectrometers from Hamamatsu covering the spectral range from UV to NIR. Suitable for applications such as environmental measurement, color

Miniature Spectrometers

This article provides the specification of various ILT spectrometer models and explains how we quantify these specs to help our customers select the best solution for their specific application through better

Miniaturized spectrometer with intrinsic long-term image memory

Here, we present a miniaturized spectrometer that utilizes a single SnS 2 /ReSe 2 van der Waals heterostructure, providing photodetection, spectrum reconstruction, spectral imaging, long

BRO – Miniatur-Spektrometer – Mountain Photonics

With a choice of optical gratings in this matchbox-sized spectrometer, different wavelength ranges can be covered from 220 to 1100 nm. It is delivered ready for immediate use and has integrated

Miniaturization of optical spectrometers | Science

© 2026 ENSAA OPTICAL NETWORKS - All rights reserved

Schemes for miniaturized spectral sensing systems based on dispersive optics, narrowband filters, Fourier transform interferometers, and computational spectral reconstruction

Compact spectrometer, mini-spectrometer, microspectrometer Siena

The Siena takes near-infrared spectroscopy in the NIR / SWIR to a new level. It combines the performance and flexibility of an array-based spectrometer with the size, price and reliability required

SPECTROMETERS: Miniature spectrometer designs open new applications ...

This has resulted in the commercialization of a new class of low-cost, compact spectrometers, commonly referred to as miniature spectrometers. Viewed as novelty devices when

Miniature integrated spectrometers towards high-performance and

The spectral detection performance of miniaturized spectrometers constructed using the former strategy is comparable with that of traditional desktop spectrometers.

Tiny spectrometers

Optical spectrometers are essential equipment used in industry and research laboratories to characterize and identify material samples by analysing the material''s wavelength

Miniaturized Spectroscopy: A New Era in Sensing Technology

Miniaturized spectroscopy is reshaping the landscape of sensing technology by merging precision, portability, and efficiency. By compressing the functionality of traditional spectrometers into

Miniature Spectrometer Based on Gold Nanorod-Polyvinylpyrrolidone

Miniaturization of spectrometers is crucial for the application of spectroscopic analysis in many fields. As a new paradigm of miniature spectrometers, reconstructive spectrometers have

How Miniature Spectrometers Work

Miniature spectrometers discriminate the wavelength based on the position the light hits at the detector array allowing the full spectrum to be obtained with a single acquisition.

Miniature integrated spectrometers towards high-performance and

This compact and ultrathin metal lens spectrometer can be applied in on-chip integrated photonics for spectral analysis and information processing on compact platforms.

© 2026 ENSAA OPTICAL NETWORKS - All rights reserved

The National Austrian Newborn Screening Program – Eight years ...

The National Austrian Newborn Screening Program – Eight years experience with mass spectrometry. Past, present, and future goals

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://ensaa.es
Technical inquiry: https://ensaa.es/contact.html

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

© 2026 ENSAA OPTICAL NETWORKS - All rights reserved