4-channel fiber optic spectrometer

Overview

This high throughput VIS spectrometer with 4 fiber inputs provides simultaneous acquisition of 4 channels at high speed with minimal crosstalk. Optical spectroscopy is a technique for measuring light intensity in the ultraviolet, visible, near-infrared, and infrared wavelength ranges. This system can be configured with our Sylent❓ stalk % can be further reduced with more dead space between channel light level (outside the band) divided by the BP peak (unsatu h (FWHM) of all spectral lines on all channels (. Horiba's OEM Polispectra Quad spectrometer is an integration of four VS70 spectrometers built around Horiba JY Type-IV flat-field aberration-corrected holographic concave gratings. It is suitable for high resolution detection in wide spectal. In combination with our latest AS-7010 electronics, the AvaSpec-ULS2048CL-EVO offers you a versatile device including USB3.

Article Content

PoliSpectra135 Multichannel Spectrometer and Hyperspectral Line

Our mission is to provide a complete development and manufacturing experience, from optical simulations to opto-mechanical design and prototyping of spectroscopic and camera systems

Quad-channel spectrometer | Quad-input spectrometer | Multitrack ...

This high throughput VIS spectrometer with 4 fiber inputs provides simultaneous acquisition of 4 channels at high speed with minimal crosstalk. The main electronics board is designed to read the

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Multi-channel-Spectrometer | CNIlaser

CNI developed Rainbow series Multi-channel spectrometer with the features of wide spectral range and high resolution. With synchronous delay device to ensure synchronous acquisition between

Spectrometers

Avantes fiber optic spectrometers and modular spectroscopy systems are designed to deliver high resolution, exceptional sensitivity, and flexible configurations

Fiber Optic Spectrometer

They have a clear digital display for real-time monitoring of spectral data during analysis. Our fiber optic spectrometers are ideal for precise spectral analysis in chemical research, material identification,

AvaSpec StarLine Spectrometers Avantes

19” Rackmount for ETH platform multichannel, including channel synchronization, 4 channel ETH-hub, one DB26-IO connector and 100-240VAC power supply, supports max. 10 rackmount unit

Multi-Channel Fiber Optical Spectrometer

Multi-Channel Fiber Optical Spectrometer This S series multi-channel fiber optical spectrometer with Hamamatsu detector is designed for applications in industry and scientific researches . With optional

Browse Articles | Nature Nanotechnology

The interplay between thermo-optic nonlinearity and non-Hermitian degeneracy enables a three-state optical memory in silicon photonic crystal platforms.

HR4000 Installation and Operation Manual

What''s New in this Document This version of the HR4000 and HR4000CG-UV-NIR Series High-Resolution Fiber Optic Spectrometers HR4000 / HR4000CG-UV-NIR Installation and Operation

Optical fiber-based open source low cost portable spectrometer

The design of an optical system is the most complicated part of designing a spectrometer-based application. However, this challenge can be effectively addressed by integrating optical fibers.

Environmental Equipment & Supplies

Find & compare Environmental equipment for a variety of industrial applications from thousands of suppliers. Get accurate info & quotations for your projects.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

An integrated single-shot spectrometer with large bandwidth-resolution ...

There has been a rapidly growing demand for low-cost, integrated single-shot spectrometers to be embedded in portable intelligent devices. Even though significant progress has

AvaSpec-ULS2048L StarLine Versatile Fiber-optic Spectrometer

Furthermore, the AvaSpec-2048L is available with a wide range of slit sizes, gratings and fiber-optic entrance connec- tors. The AvaSpec-2048L is also available in dual or multi-channel versions (up to

Optical Spectrometers introduction

The easy coupling of fibers allows a modular build-up of a system that consists of a light source, sampling accessories, and a fiber-optic spectrometer. Furthermore,

AvaSpec Multichannel Fiber Optic Spectrometers

USB1 platform AvaSpec-DDDD-x-DT/-RM Multichannel AvaSpec-USB1 Fiber Optic Spectrometer with x (max 4) channels in desktop housing, (–DT) or with max. 8 channels in rack mount housing (-RM) for

A Compact MRI Spectrometer Using Optical Fiber Transmission for ...

This article presents a design for an optical fiber spectrometer that is based on an optical fiber transmission scheme with lightweight resource consumption. The proposed spectrometer is

PRODUCT CATALOG

In these pages, you''ll discover a vast array of high-quality spectrometers, light sources, fiber optics, software, and accessories carefully crafted to meet the diverse needs of researchers, scientists, and

AvaSpec StarLine Spectrometers Avantes

AvaSpec multi-channel spectrometers fulfill your every need. You can select from our range of spectrometer detectors, choose different slits or gratings: anything is pos- sible. Two enclosure

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved