

8-band spectrometer



Overview

This easy-to-use, stand-alone device delivers full spectrum UV-Vis analysis, making it ideal for rapid nucleic acid and protein quantification. Optional 21 CFR Part 11 Software, IQ-OQ available. The Adafruit AS7341 10-Channel Light / Color Sensor Breakout is a multi-channel spectrometer, which is a special type of light sensor that is able to detect not only the amount of light present but also the amounts of light within different wavelengths. This means that you can use it to detect much. Our 8-band NIR cameras offer nearly equally spaced bands across the near-infrared spectral range. The camera is an excellent choice when more spectral information is needed at the expense of spatial resolution. Its high power enables generation of short pulses with large excitation bandwidths, leading to enhanced sensitivity for pulsed EPR including DEER (~two).



Article Content

EPR System EMXplus | Bruker

EPR in Pharma EPR spectroscopy is a powerful tool in various areas of pharmaceutical analysis: detection and evaluation of degradation, stability and

High-resolution wide-band fast Fourier transform spectrometers

ABSTRACT We describe the performance of our latest generations of sensitive wide-band high-resolution digital fast Fourier transform spectrom-eter (FFTS). Their design, optimized for a wide

An 8 GHz digital spectrometer for millimeter-wave astronomy

We have designed and tested a digital spectrometer suitable for analyzing 8 GHz baseband signals. It is based on a 16- Gsps, 5-bit ADC from e2v and a Stratix-IV FPGA employed for

remote sensing

Is there a way to resample Landsat-8 bands to match different bands from a spectrophotometer. I'm doing atmospheric correction, comparing in-situ reflectance measurements performed using 10-nm

Conversion of a Single-Frequency X-Band EPR

A broadband EPR spectrometer is an instrument that can be tuned to many microwave frequencies over several octaves. Its purpose is the collection

Landsat 8 | U.S. Geological Survey

The first Landsat satellite launched in the 21st century, Landsat 8 provides vital information with two improved instruments.

8-Band NIR Camera

Our 8-band NIR cameras offer nearly equally spaced bands across the near

DS-8X 8-Kanal Spectrophotometer

Unser Angebot richtet sich ausschließlich an Personen, die in Ausübung ihrer gewerblichen oder selbstständigen beruflichen Tätigkeit bestellen.

Broadband molecular spectroscopy with optical frequency combs

Over the past dozen years, optical frequency combs have evolved into valuable tools for broadband molecular spectroscopy. They have already enabled remarkable advances for the

Design of Ultra-Wide-Band Fourier Transform Infrared

A wide band range can cover more of the characteristic spectral lines of substances, and thus analyze the structure and composition of substances

Broadband picometer-scale resolution on-chip spectrometer with ...

of the scaled-down demonstrations so far can break the technical bottleneck to simultaneously achieve ultra-high resolution (down to picometer-scale) and broad band-width (>100 nm)^{8,10}.

Optical spectrometer

A spectrometer is the general term for describing a combination of spectral apparatus with one or more detectors to measure the intensity of one or more

Broadband miniaturized spectrometers with a van der Waals tunnel

Here, we report a high-performance broadband spectrometer based on a simple and compact van der Waals heterostructure diode, leveraging a careful selection of active van der Waals materials ...

DS-8X 8-Kanal Spectrophotometer

DS-8X 8-Kanal Spectrophotometer Verfügbare Farben: Brazilian Blue, Fire Red, Tungsten Silver, Arctic White Verfügbare Messmethoden: ... mehr anzeigen Aktion

Spektrometer PCE-CSM 8-ICA inkl. ISO-Kalibrierzertifikat

Spektrometer für genaue Messungen und Analysen vieler Parameter / Kalibrierstandards im Lieferumfang enthalten / leistungsstarker Akku / großes 3,5" Display mit Touchscreen /

FT/CW System | Multifrequency FT EPR | Bruker

Bruker's ELEXSYS-E580 is an FT/CW system building the basis for multifrequency and multiresonance FT-EPR. The E580 is a highly versatile instrument that

High-resolution wide-band Fast Fourier Transform spectrometers

FFT spectrometers provide high instantaneous bandwidth (1.5 GHz, 2.5 GHz) with many thousands of frequency channels, thus offering wide-band observations with high spectral resolution.

First light demonstration of the integrated

Ultra-wideband, three-dimensional (3D) imaging spectrometry in the millimeter-submillimeter (mm-submm) band is an essential tool for uncovering

Infrared spectroscopy

Infrared spectroscopy (IR spectroscopy or vibrational spectroscopy) is the measurement of the interaction of infrared radiation with matter by absorption,

Fast Fourier Transform Spectrometer

Abstract—We review the development of our digital broad-band Fast Fourier Transform Spectrometers (FFTS). In just a few years, FFTS back-ends - optimized for a wide range of radio astronomical

Eight Channel Spectrophotometer | High Throughput

DeNovix takes high throughput spectrophotometry to a new level of performance with the DS-8X Eight Channel Spectrophotometer. This easy-to-use, stand

NanoDrop Eight Spectrophotometer

The compact Thermo Scientific NanoDrop Eight Spectrophotometer measures eight samples at a time in less than 20 seconds. It is an ideal choice for pharma/biotech and academic researchers needing a

Compact Spectrometer: A Dedicated Compact Wide

COSP is an in-house built grating spectrometer designed to be used during the optimization of the FERMI parameters and to control the relative

Simple 7-Band Audio Spectrometers | Elektor Magazine

Simple 7-Band Audio Spectrometers Here we present a direct-reading Audio spectrometer using a microcontroller, a graphic equalizer chip,

DAC-board based X-band EPR spectrometer with arbitrary waveform

We present arbitrary control over a homogenous spin system, demonstrated on a simple, home-built, electron paramagnetic resonance (EPR) spectrometer operating at 8–10 GHz (X-band) and

DS-8X 8-Channel Microvolume Spectrophotometer

An easy-to-use, 8 channel, compact instrument delivering full spectrum UV-Vis analysis, ideal for rapid nucleic acid and protein quantification.

W-Band HiPER Spectrometer

A new high power (~1 kW) quasi-optical W-band (94 GHz) spectrometer (HiPER) is now available for continuous wave

Contact Us

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