

New Greennet Spectrometer



AI Overview

The New Greennet Spectrometer is likely a compact, fiber-optic spectrometer designed for real-time spectral analysis across visible and near-infrared wavelengths, similar to StellarNet GREEN-Wave instruments.

Overview and Features

While specific details on the "New Greennet Spectrometer" are limited, comparable devices like the StellarNet GREEN-Wave series provide insight into its likely capabilities. These miniature spectrometers are fiber-optically coupled, offering measurements across 350–1150 nm wavelength ranges, with options for customized grating ranges and slit resolutions. They are USB-powered, highly portable, and feature ruggedized enclosures suitable for educational and laboratory use. Key features may include:

- High signal-to-noise ratio (up to 400:1) for precise spectral measurements
- Fast data acquisition via 16-bit digitizers
- Onboard memory with pre-set calibrations and snapshot capabilities
- Modular design with no moving parts, ensuring vibration tolerance and durability
- Multi-unit connectivity, allowing up to 8 spectrometers to operate simultaneously

Applications

Such spectrometers are commonly used in:

- Educational labs for teaching spectroscopy principles...

Article Content

Apr 23, 2026

GREEN-Wave Spectrometer | StellarNet

The StellarNet GREEN-Wave miniature spectrometers are fiber optically coupled instruments with a wide selection of standard

Feb 12, 2026

ICP-MS for Trace Element Analysis | ICP Mass Spectrometry

ICP-MS Spectrometers Inductively Coupled Plasma Mass Spectrometry (ICP-MS) For Trace Element Analysis OVERVIEW -

Nov 18, 2025

SPECTROGREEN MS FSQ20

The new SPECTROGREEN MS is SPECTRO's pioneering mass spectrometry product. It complements leading SPECTRO

Feb 07, 2026

RED-Wave InGaAs Miniature NIR Spectrometers | StellarNet

StellarNet's high performance RED-Wave NIR Spectrometers cover NIR wavelength ranges from 900-2500nm. The

Jun 05, 2026

SPECTROGREEN MS Launch: A Cutting-Edge Quadrupole ICP-MS

SPECTRO Analytical Instruments has unveiled its new SPECTROGREEN MS Quadrupole Mass Spectrometer, an

May 03, 2026

GREEN-Wave NIR2

The GREEN-Wave NIR2 from StellarNet Inc is a Spectrometer with Wavelength Range 600 to 1000 nm,

Mar 14, 2026

StellarNet Miniature Spectrometer Manual

New model spectrometers automatically load calibration coefficients. However, double check this by starting the SpectraWiz program

Mar 12, 2026

OEM Spectrometer Solutions | StellarNet

Mini OEM Spectrometer Engines Introducing a new line of even smaller spectrometers for OEM

Jan 07, 2026

Das neue SPECTROGREEN MS Quadrupol-ICP-Massenspektrometer

SPECTRO hat das SPECTROGREEN MS eingeführt: ein hochmodernes Quadrupol-ICP-MS-Spektrometer für die

Dec 02, 2025

StellarNet Spectrometers Online Shop

The StellarNet GREEN-Wave miniature spectrometers are fiber optically coupled instruments with a wide selection of standard

Feb 12, 2026

GreenNet | WHO

It is intended to provide information to support the assessment of the product quality, safety and efficacy, for those

Nov 17, 2025

OEM Spectrometer Solutions | StellarNet

Introducing a new line of even smaller spectrometers for OEM applications at just 1x3x3". These units are compact, robust and can

Jun 14, 2026

HR High Resolution Spectrometers

New slit locking technology means no hardware or screwdriver is required creating the most flexible spectrometer

Oct 24, 2025

Spectroscopy Measurement Systems for Laboratory

Spectroscopy measurement systems for UV-Vis, NIR, and Raman spectroscopy, including process,

Dec 21, 2025

Quasar™ High Throughput Spectrometers

The Quasar comes with our new high throughput f/2 optical design for Raman spectroscopy with increased photon

Jun 14, 2026

Low Cost GREEN-Wave Spectrometer

As part of our broader UV-Vis spectrometer lineup, the GREEN-Wave series provides an affordable,

Dec 31, 2025

Thermo Fisher Scientific Inc.

Orbitrap Astral Zoom and Orbitrap Excedion Pro deliver increased speed and sensitivity to set a new performance

Apr 07, 2026

Elemental Analysis Solutions & Analytical Instruments | SPECTRO

SPECTRO is a global leading supplier of advanced analytical instruments like ICP, Arc Spark OES, and XRF spectrometers for

Mar 02, 2026

Spectroscopy Measurement Systems for Laboratory

Built around StellarNet's rugged UV-VIS, NIR, and Raman spectrometer platforms, these integrated

May 23, 2026

Dual-Detector Super Range Spectrometers Systems

StellarNet Dual-DSR spectrometer systems combine two instruments to cover the ultra violet, visible and near infrared portions of the

May 25, 2026

Download | StellarNet

StellarNet Software and Technical specifications downloads * All customizable source codes and programs require an executed

Nov 03, 2025

SPECTROGREEN

SPECTROGREEN is ideal for routine elemental analyses in environmental and agronomy, consumer

Jan 31, 2026

GreenNet: A dual-encoder network for urban green space

To address these issues, this paper presents a novel dual-encoder network, termed GreenNet, specifically designed for urban green

May 23, 2026

Customer Spectrometer Applications

This section provides some interesting information on various research and applications that have been published using

Apr 27, 2026

Industrial Analyzers | Complete Analytical Solutions for Quality Control

Explore StellarNet analyzers for material identification, composition analysis, color measurement, light analysis, and

Dec 11, 2025

StellarNet-BLACK-Comet-SPEC.PDF

StellarNet BLACK-Comet Concave Grating Spectrometers for UV-VIS & NIR StellarNet offers a variety of fiber optic sampling

Feb 01, 2026

Optical spectrometer

Find out all of the information about the StellarNet product: optical spectrometer GREEN-Wave series.

Sep 11, 2025

GreenNet: A dual-encoder network for urban green space

A new benchmark dataset for urban green space classification tasks is built from high-resolution remotely sensed

Nov 02, 2025

Integrating Spheres & Tubes | StellarNet

StellarNet designs and manufactures a variety of low cost integrating spheres and accessories for photometric and

Jun 05, 2026

Instant Material Analysis Solutions for Agricultural

Discover SCiO's instant material analysis solutions for agriculture & food, enabling rapid, accurate quality

Mar 11, 2026

Thermo Fisher Launches Orbitrap Mass Spectrometers at ASMS

Thermo Fisher launches the Orbitrap Astral Zoom and Orbitrap Excedion Pro MS at ASMS 2025, advancing

Jun 12, 2026

GREEN-Wave Low Cost Spectrometers | StellarNet

GREEN-Wave spectrometers offer low-cost, fiber-optic performance with models covering the 350–1150 nm range.

Nov 30, 2025

NeutralNet: Development and testing of a machine learning solution

Owing to their good energy and temporal resolution, liquid scintillators have been widely used for detection and

Feb 04, 2026

Optical spectrometer

The StellarNet GREEN-Wave miniature spectrometers are fiber optically coupled instruments with a wide

Contact Us

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