

# Sunsea Spectrometer





## Overview

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Software application for viewing spectral readings and understanding what this means for your target biological environment. Seneye is well known for our nifty monitoring devices and the reef device does already come with a PAR meter but we have taken it one step further and produced the Royles Royce of light meters, the seneye spectra. Disclaimer: Wavelength range and optical resolution specifications are typical values. The Aquorea Mk3 Colour is a high-efficiency, TTL synchronized subsea LED that can simultaneously operate as a lamp and strobe. Find the perfect spectrometer device for your spectroscopy applications with our spectrometer selector.



## Sunsea Spectrometer

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### Integrated Sunlight Spectrometer

IntegratedSunlightSpectrometerTheIntegratedSunlightSpectrometer(ISS)isdesigned to obtain both high ( $R = 300,000$ ) and moderate ( $R = 30,000$ ) spectral resolution observations of the Sun as a star.

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### Continuous measurement of radionuclide distribution off Fukushima using

Continuous measurement of radionuclide distribution off Fukushima using a towed seabed gamma ray spectrometer

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## **An in-situ gamma-ray spectrometer for the deep ocean**

A low resolution subsea gamma-ray spectrometer is developed for monitoring radioactivity in the deep ocean. The detection system provides quantitative results combining experimental and

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## **Development and deployment of lander-based multi-channel Raman**

Up to four types of Raman probes, developed by Zhang et al. (2017b) for different types of targets, can be mounted on the spectrometer and used for continuous, real-time detection of the in

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## **Prototype of a deep-sea in-situ neutron activation spectrometer for**



This spectrometer, with two essential parts: detector and electronics, was designed to work on different underwater platforms in the real-time control mode or autonomous operation mode.

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## **(PDF) Spectrometer for Sky-Scanning Sun-Tracking**

The 4STAR (Spectrometer for Sky-Scanning, Sun-Tracking Atmospheric Research) combines airborne sun tracking and sky scanning with

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## **Design of a Prototype in-situ Gamma-ray Spectrometer for Deep Sea**

In-situ gamma ray spectrometry offers several advantages over the classical sampling approach, but requires a mobile, or towed underwater gamma detector system [7,10].

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## **Seneye Spectra**

Nanospectrometer device with a 400nm - 730nm range and 1nm resolution. Fitted with a cosine corrector and fully submersible. Software application for viewing spectral readings and understanding

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## **Spectrometers**

We offer a wide selection of spectrometers for various applications, wavelengths, and measurements. Use our spectrometer selector tool to find the perfect spectrometer for your needs.

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## **The Detection of Sea Buckthorn Juice SSC Based on a**



The use of a portable near-infrared (NIR) spectrometer for detecting sea buckthorn juice SSC has not been explored. In this study, spectral data of

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## **CTD60Mc**

The CTD60Mc - ultra deep sea is specifically designed for direct output of physical and calculated data such as salinity, sound velocity and density.

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## **Seneye Spectra**

Seneye Spectra is an advanced light measurement tool that provides data on the quality and quantity of light in an aquarium. The Seneye Spectra device is a

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## AMT

To achieve consistent performance, such an extension requires careful testing of any spectrometers involved by application of common quality assurance measures.

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## Underwater Mass Spectrometer Successfully Completes

A research team led by Prof. CHEN Chilai from Institute of Intelligent machines, Hefei Institutes of Physical Science (HFIPS) of Chinese Academy of

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## Upgrade of the NASA 4STAR (Spectrometer for Sky-Scanning, Sun

Upgrade of the NASA 4STAR (Spectrometer for Sky-Scanning, Sun-Tracking Atmospheric Research) to its Full Science Capability of Sun-Sky-Cloud-Trace Gas Spectrometry in Airborne Science



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## **Prototype of a deep-sea in-situ neutron activation spectrometer for**

The inner core of the spectrometer comprised three components: a compact neutron generator for neutron production, gamma-ray detectors, and an electronics system.

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## **An Optimized Quantification Method for Marine**

The underwater gamma-ray spectrometer KATERINA was calibrated in a special tank and then demonstrated in the Southern Caspian Sea to

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## **The solar origins of spectroscopy**

Spectroscopy is of a foundational importance to physical chemistry, and has been a central fixture in both my own graduate and undergraduate work. In this post I would like to delineate

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## **Aquorea LED , Far-red , leak detection , fluorescence**

The Aquorea Mk3 Colour is a high-efficiency, TTL synchronized subsea LED that can simultaneously operate as a lamp and strobe. Available in custom wavelengths,

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## **Prototype of a deep-sea in-situ neutron activation spectrometer for**

In this study, we designed a deep-sea in-situ neutron activation spectrometer (DINAS) through principle analysis and Monte Carlo simulation and implemented a spectrometer prototype.



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## **Design of a Prototype in-situ Gamma-ray Spectrometer for Deep Sea**

Research on the in-situ environment in deep sea is a new focus in marine science. In this work, a prototype in-situ gamma-ray spectrometer was designed in order to measure the gamma-ray

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## **Sub-Ocean: Subsea Dissolved Methane Measurements Using an**

We present a novel instrument, the Sub-Ocean probe, allowing in situ and continuous measurements of dissolved methane in seawater. It relies on an optical feedback cavity enhanced

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## High Sensitivity Spectrometers

High-sensitivity CCD-array spectrometers for low light applications are ideal for fluorescence, DNA sequencing and Raman analysis.

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