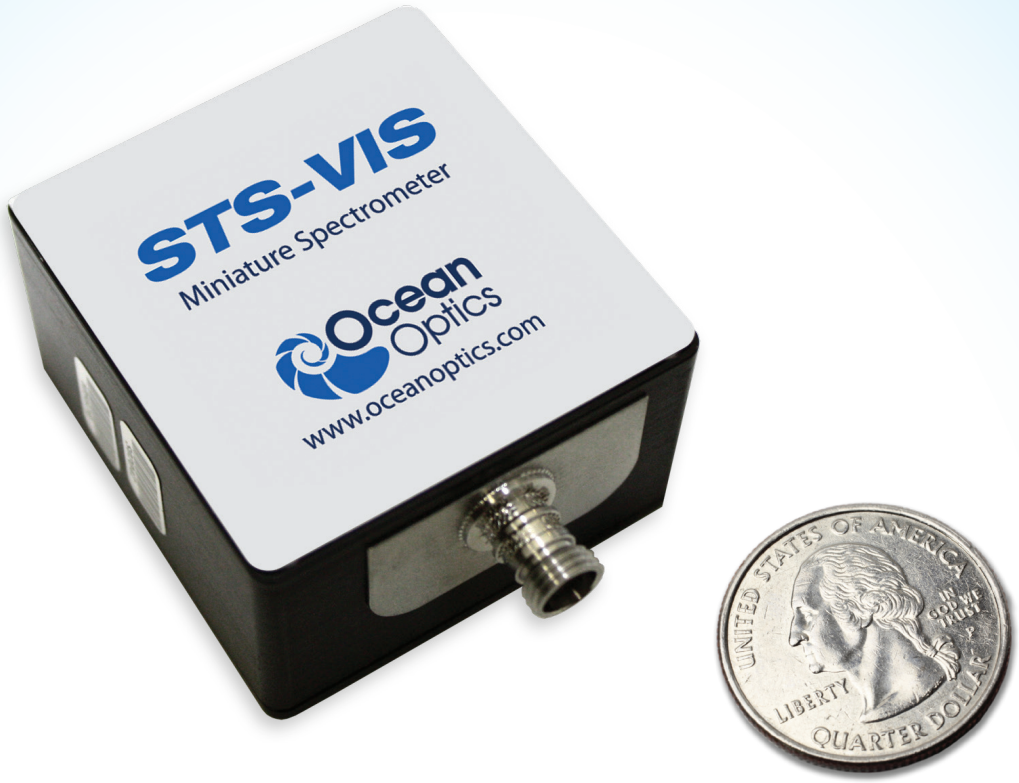

STS-VIS
Microspectrometer

Visible Spectral Analysis in a Tiny Footprint

The STS-VIS Microspectrometer offers powerful performance in a small footprint. At just 50 mm square, the STS delivers optical resolution, sensitivity and stability comparable to much larger, more expensive spectrometers. Its rugged design and great unit-to-unit reproducibility make STS especially attractive for integration into devices and other applications where a small footprint is required. Whether you are performing low-concentration absorbance measurements or high intensity laser characterization, the STS-VIS delivers the performance you need.

Ocean Optics

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At a Glance

Size: 40 x 42 x 24 mm

Weight: ~60 g

Wavelength range: 350-800 nm

Signal-to-noise ratio: >1500:1

Dynamic range: 4600:1

Photometric repeatability (absorption)*:

Absorption	Photometric Repeatability
0.005 Abs	± 0.0001 Abs.
0.5 Abs	± 0.0002 Abs.
1.0 Abs	± 0.0005 Abs.
1.5 Abs	± 0.0008 Abs.

Wavelength accuracy:** ± 0.13 nm

*Photometric repeatability measured at 260 nm. The standard deviation of 10 measurements is reported.

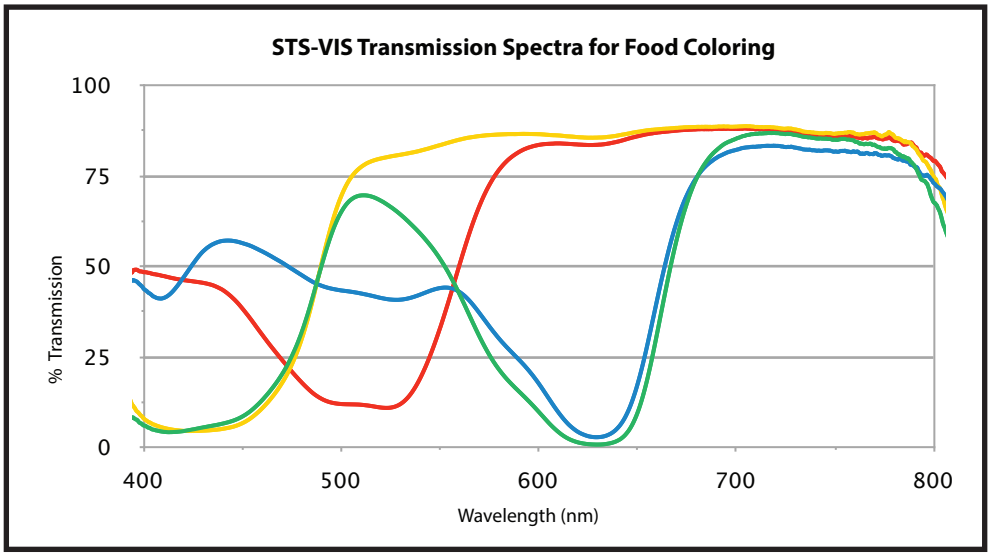
**Wavelength accuracy measured at 546.08 nm using the HG-1 Mercury Argon Calibration Source.

Learn more online at www.oceanoptics.com

Contact an Ocean Optics Application Scientist for details and pricing

Small Size. Big Performance.

The STS-VIS is small, but its performance is comparable to spectrometers more than twice its size. Using a unique optical design and a CMOS array detector, the STS-VIS delivers a high signal-to-noise ratio (>1500:1) and a wide dynamic range (4600:1), making it ideal for measurements from low-concentration absorption to high intensity light and laser characterization. Reliability was designed into the STS-VIS, where high thermal stability and low baseline drift ensure your data stays accurate, even under changing environmental conditions.



Configuration and Integration

By selecting the appropriate entrance slit for your STS-VIS the resolution of the measured spectrum can be optimized for your application. Choose a narrow slit for light-rich applications where resolution is most important. For low-light applications, select a larger entrance slit allowing more light into the spectrometer.

The STS-VIS easily integrates into your small device or sits comfortably next to your process line for quality control measurements. With several software control options, including drivers that allow direct control of the spectrometer, the STS works with your existing systems to help you get the valuable answers you need.

Additional STS models are available for the UV (190-650 nm) and NIR (650-1100 nm), with a developers kit that includes microprocessor, customizable software and wireless capabilities.

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