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STS-VIS Spectrometers

Please contact us for further details.

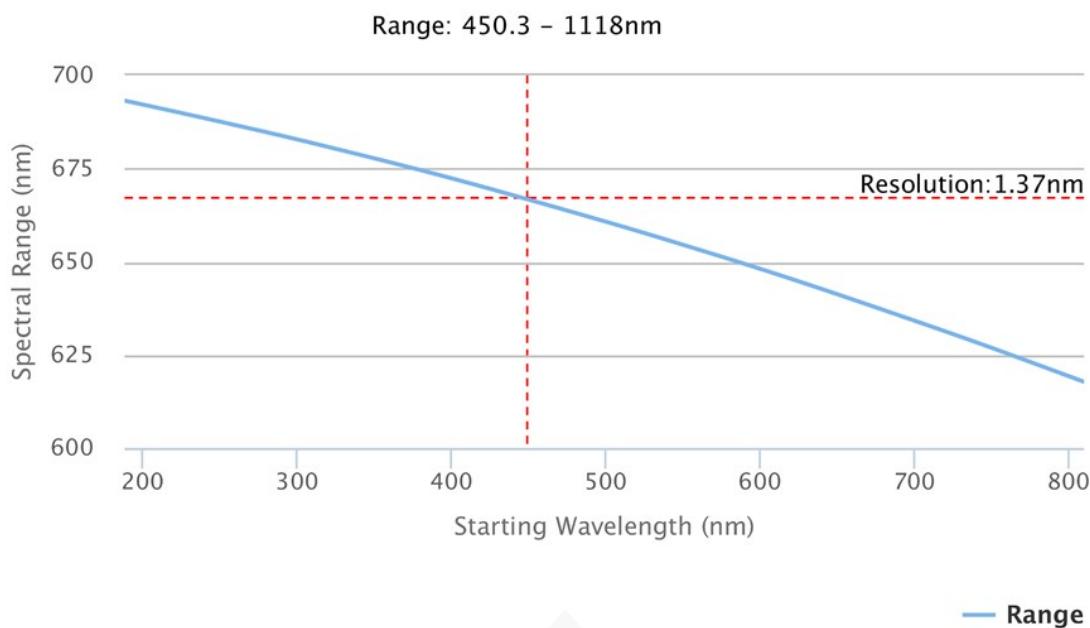
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Details

The STS-VIS spectrometer (350-800 nm) is a versatile choice for applications ranging from low-concentration absorbance measurements to high intensity laser characterization. Its rugged design, compact size and great unit-to-unit reproducibility make STS attractive for integration into other devices and setups where a small footprint is desired.

- Cost-effective – optical resolution of 1.5 nm (FWHM) is comparable to more expensive setups
- Reproducible – attractive design for integration and scalability
- Multiple slit options -- STS-VIS models are available with 10 μm , 25 μm , 50 μm , 100 μm or 200 μm slits

Spectrometer Model: Flame-S | Slit Size: 25 μm | Grating Type: 600



Spectrometer Range & Resolution Calculator >

Take advantage of our technical guidance and this interactive spectrometer range-resolution tool.

Specifications

Select model to see full specifications

Spectroscopy:

Wavelength Range:

350nm - 800nm

Optical Resolution:

1.5 nm

12.0 nm

3.0 nm

6.0 nm

Integration Time:

10 μ s - 10s

Dark Noise:

\leq 3 counts RMS

Dynamic Range:

5 x 10⁹ (system
10 s max integration)
 \sim 4600 single acquisition

Input Fiber Connector:

SMA 905

Signal to Noise Ratio:

>1500:1 (full signal)

Stray light:

\leq 0.25%

Detector:

Detector:

CMOS

Entrance slit:

- 10 µm
 - 100 µm
 - 200 µm
 - 25 µm
 - 50 µm
-

Detector Collection Lens:

No

Physical:**Dimensions:**

40 mm x 42 mm x 24 mm

Weight:

~ 60 g

Show less 

Related Products

[EDU-STS-VIS-PACK >](#)

Item Code: EDU-STS-VIS-PACK

Flame VIS-NIR Spectrometers >

Options available

From \$3,412.00

OCEAN-HDX-VIS-NIR >

Item Code: OCEAN-HDX-VIS-NIR

Accessories



Tungsten Halogen Light Sources >

Options available

From \$757.00