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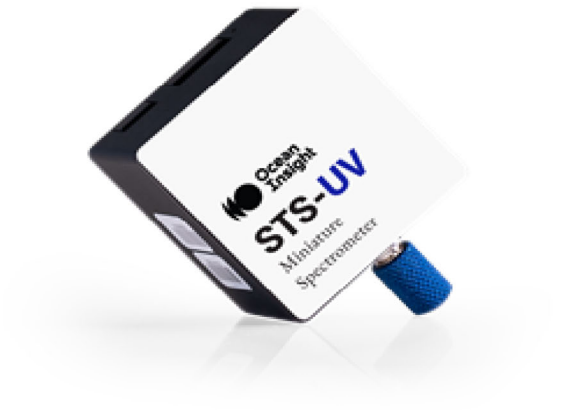


STS-UV Spectrometers

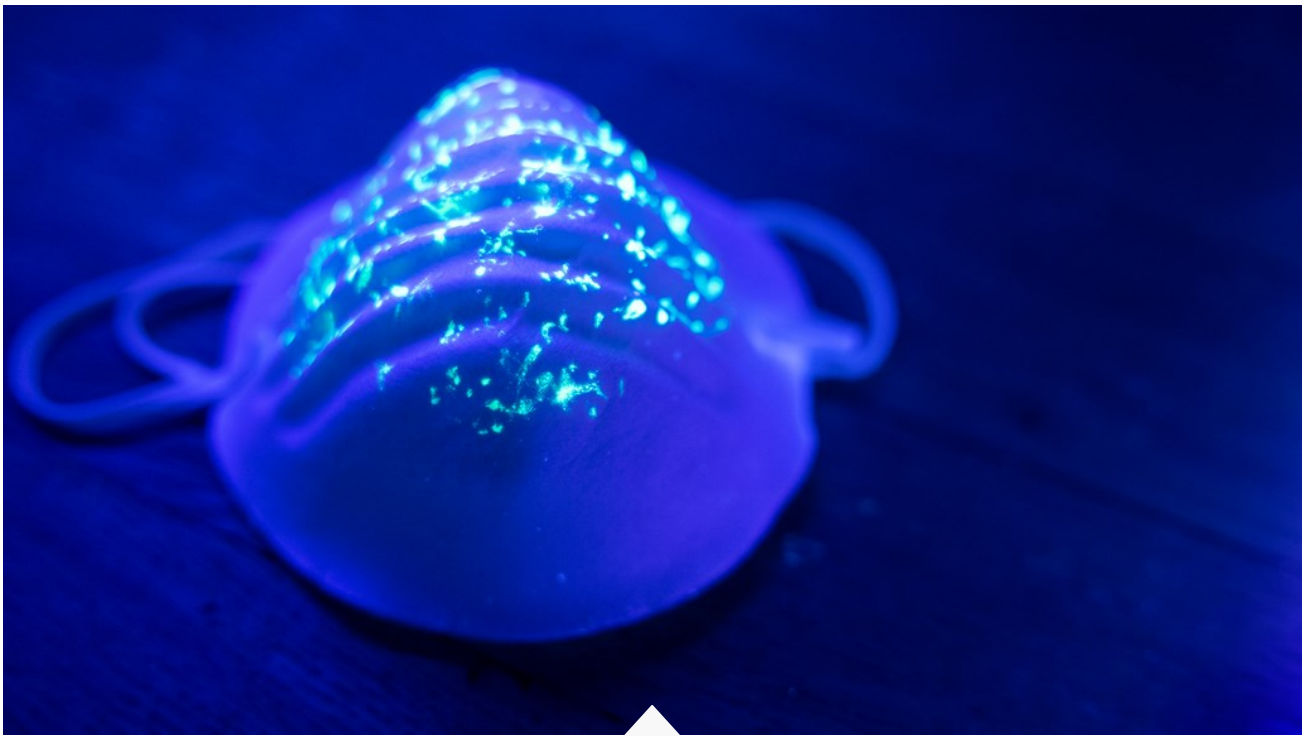
Please contact us for further details.

Get in Touch

Details

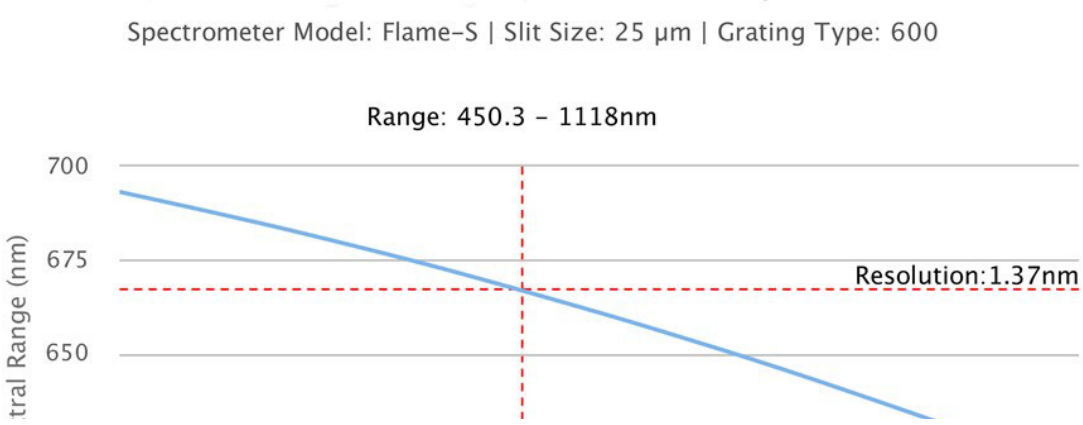
The STS-UV spectrometer (190-650 nm) is a versatile choice for applications ranging from low-concentration absorbance measurements to high intensity laser characterization. Its rugged design, compact size and great unit-to-unit reproducibility make STS attractive for integration into other devices and setups where a small footprint is desired.

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



Using the Right UV Light Saves Lives >

In the battle against COVID-19, UV sterilization techniques can extend the life of high-demand personal protective equipment (PPE). But does your UV lamp provide enough power to disinfect face masks safely?



Specifications

Select model to see full specifications

Spectroscopy:

Wavelength Range:

190nm - 650nm

Optical Resolution:

1.0 nm
1.5 nm
12.0 nm
3.0 nm
6.0 nm

Integration Time:

10µs - 10s

Dark Noise:

≤3 counts RMS

Dynamic Range:

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

Input Fiber Connector:

SMA 905

Signal to Noise Ratio:

>1500:1 (full signal)

Stray light:

≤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
~60 g

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