

# FLEX+

## WHEN SPEED AND SENSITIVITY ARE COMBINED IN A SMALL OPTICAL BENCH

- General purpose solution with a PLUS
- Ideal for Low Light-Level Applications
- User-Interchangeable Slits and Optical Filters
- Back-Thinned CCD Detector for Great Sensitivity
- Fast Acquisition – Up to 2587 Spectra per Second
- Software LightScan Included



### GENERAL PURPOSE SOLUTION WITH A PLUS

FLEX+ spectrometer is a compact and modular instrument with a great performance that fits any spectroscopic setup. The FLEX+ range offers the full package of the FLEX solution but with extra sensitivity and speed making this spectrometer perfect for user that require multiple applications with one spectrometer.

### FAST ACQUISITION FOR MONITORING REAL-TIME EVENTS

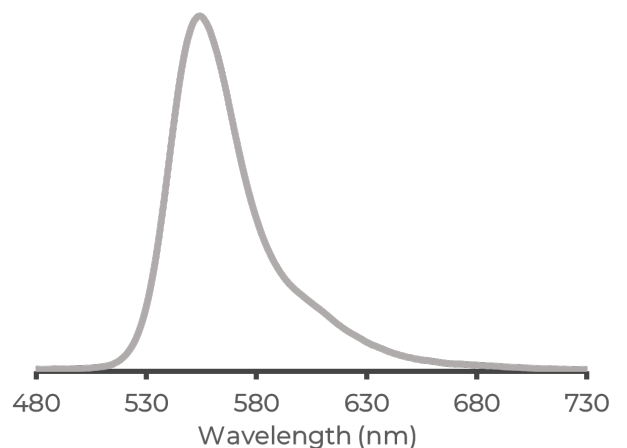
FLEX+ allows you to work with an integration time as low as 2 microseconds (with the electronic shutter on) and acquire up to 2587 spectra per second (in burst mode). This feature makes FLEX+ the ideal solution for chemical, biochemical and other applications where fast reactions need to be monitored.

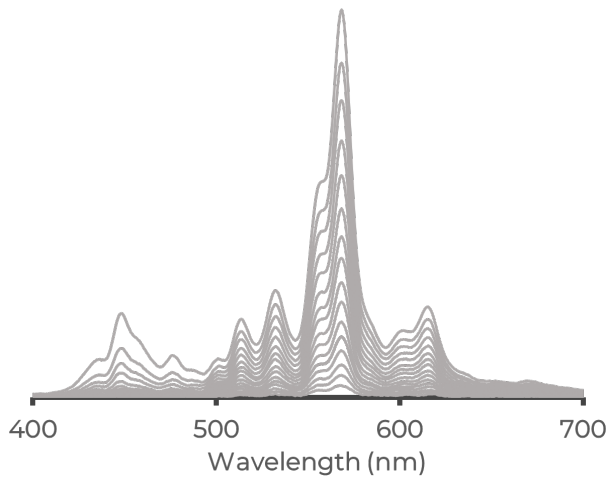
### EASY TO INTEGRATE IN YOUR SETUP

The SMA fiber optic connector allows for a simple attachment of FLEX+ to a wide range of spectroscopic setups without the need for complex optical alignments. This flexibility is complemented with a trigger integration tool, which includes triggers in/out and delays. FLEX+ and all spectroscopic components of your setup can be centralized for full control with our new SPEC Hub solution.

### THE IDEAL SOLUTION FOR LOW LIGHT-LEVEL APPLICATIONS

The Hamamatsu back-illuminated CCD detector used on FLEX+ has great performance advantages such as low dark counts. The 1 mm height pixel elements on the detector provide high sensitivity for those applications that demand low light level measurements.





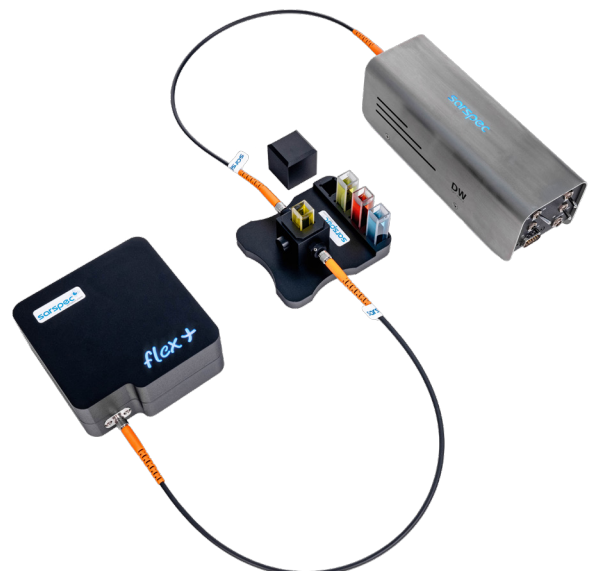
## CONTROL SENSITIVITY AND RESOLUTION OF YOUR SPECTROMETER

With FLEX+ you can take advantage of interchangeable slits and optical filters. User-interchangeable slits offer an easy and a simple way of setting the optimal resolution/sensitivity while interchangeable optical filters provide the user with the ability to narrow the operational wavelength range of the spectrometer. These features allow you to change from an absorbance to a fluorescence setup in a few minutes. Add a SLIT KIT to your order and get all the flexibility you need.

## FLUORESCENCE WITH CUVETTES



## ABSORBANCE WITH CUVETTES



## Specifications Table

Parameter	UV-Vis-NIR	UV-Vis	Vis-NIR
<b>Operational Range</b>	185-1100 nm	185-900 nm	360-1100 nm
<b>Grating</b>	G-UV-Vis-NIR	G-UV-Vis	G-Vis-NIR
<b>Optical Resolution</b>	1.7 nm (25 um slit)	1.4 nm (25 um slit)	1.4 nm (25 um slit)
<b>Detector</b>	<b>Fiber Connector</b>	<b>Interface</b>	
2048-element Back Thinned Hamamatsu	SMA-905	Mini-UBS	
<b>Integration Time</b>	<b>Trigger</b>	<b>Software</b>	
2 microseconds	In/Out	Lightscan	
<b>Dimensions</b>			
110 mm (L) x 110 mm (D) x 40 mm (H) (Weight: 750 g)			

## Order Information

	Part Number	
	Base	Improved Sensitivity
<b>Spectrometer FLEX+ UV/Vis/NIR</b>	PLUS-UV-Vis-NIR	PLUS-UV-Vis-NIR-IS
<b>Spectrometer FLEX+ UV/Vis</b>	PLUS-UV-Vis	PLUS-UV-Vis-IS
<b>Spectrometer FLEX+ Vis/NIR</b>	PLUS-Vis-NIR	PLUS-Vis-NIR-IS

## CONTACTS



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