

FLEX

A POWERFUL AND FLEXIBLE SPECTROMETER THAT FITS IN THE PALM OF YOUR HAND

Perfect for General Purpose Applications

Improved Optical Design – The Best in Class!

User-Interchangeable Slits and Optical Filters

UV-Vis-NIR (185-1100 nm) Detection Range

Fiber Optic Spectrometer

Software LightScan Included



PERFECT AS A GENERAL-PURPOSE SOLUTION

With a compact and flexible design, FLEX is more than capable of delivering a great performance with improved sensitivity and with the ability to be integrated in most general-purpose spectroscopic setups.

EASY TO INTEGRATE IN YOUR SETUP

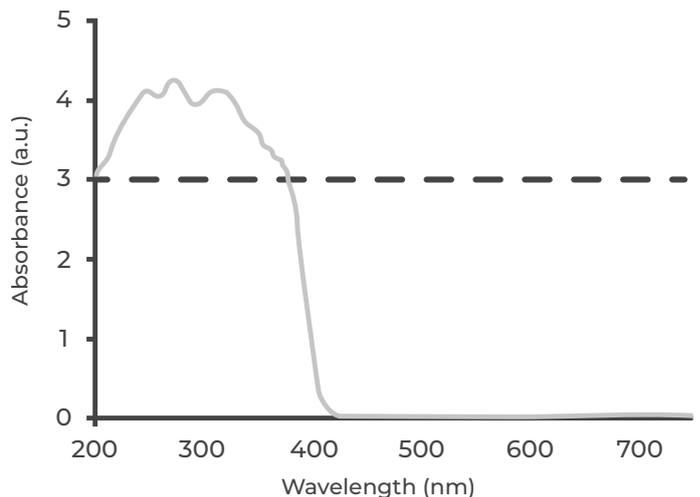
The SMA fiber optic connector allows for a simple attachment of FLEX to a wide range of spectroscopic setups without the need for complex optical alignments. This flexibility is complemented with a trigger integration tool, which includes triggers in/out and delays. FLEX and all spectroscopic components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

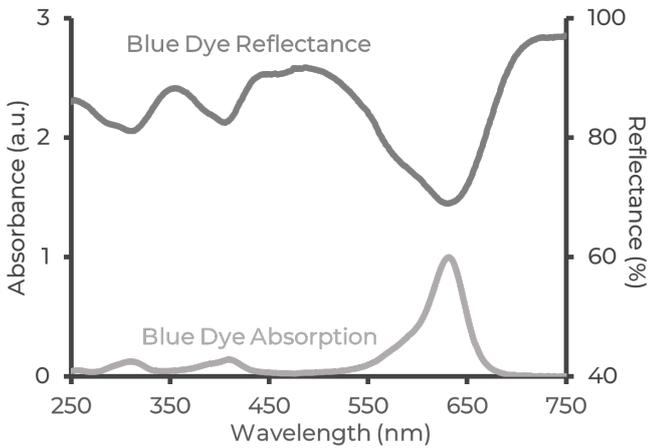
CONTROL SENSITIVITY AND RESOLUTION OF YOUR SPECTROMETER

With the FLEX spectrometer, you can take advantage of interchangeable slits and optical filters. User-interchangeable slits offer an easy and 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 absorbance to a fluorescence setup in a few minutes. Add a SLIT KIT to your order and get all flexibility you need.

BEST OPTICS FOR A LOW STRAY LIGHT

FLEX is the perfect solution for those who have the need for absorbance/transmittance measurements. The simultaneous optimization of the optical and mechanical design provides FLEX with a very low stray light percentage (less than 0.1%, over the entire operational spectral range).





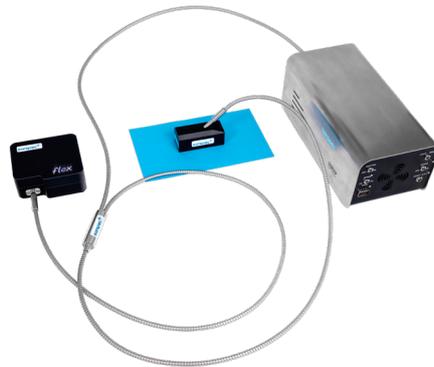
ABSORBANCE AND REFLECTANCE IN ONE SPECTROMETER

The versatility of FLEX can be easily achieved when combined with high-power deuterium and tungsten/halogen (DWHP) light source. In addition to an absorbance configuration (it requires the use of standard cuvette holder and optical fibers), this combination can also be used to perform reflectance measurements (it requires the use of reflectance probe).

MAXIMUM FLEXIBILITY WITH THE BEST PERFORMANCE



Absorbance



Reflectance



Fluorescence

FLEX is available in both standard (STD) and improved-resolution (RES+) versions for ready-to-use (table below) and user-configured configurations. For both solutions, users have the possibility of choosing an improved sensitivity configuration, which translates into a more efficient light collection optics. Also, customized configurations provides you with the flexibility to configure FLEX for more specific applications.



Specifications Table

Parameter	UV-Vis-NIR	UV-Vis	Vis-NIR
Operational Range	185-1100 nm	185-900 nm	360-1100 nm
Grating	G-UV-Vis-NIR	G-UV-Vis	G-Vis-NIR
Op. Resolution STD	1.7 nm (25 um slit)	1.4 nm (25 um slit)	1.4 nm (25 um slit)
Op. Resolution RES	0.75 nm (10 um slit)	0.6 nm (10 um slit)	0.6 nm (10 um slit)
Fiber Connector	Interface	Integration Time	
SMA-905	Mini-UBS (works also as power supply)	2 ms STD / 3 ms RES+ (minimum)	
Collecting Lens	Dimensions		
Optional (included in the improved Sensitivity version)	100 mm (L) x 89 mm (D) x 42 mm (H) (Weight: 450 g)		

Order Information

Order Information		UV-Vis-NIR	UV-Vis	Vis-NIR
Part Number STD	Base	FLEX-STD-UV-Vis-NIR	FLEX-STD-UV-Vis	FLEX-STD-Vis-NIR
	Improved Sensitivity	FLEX-STD-UV-Vis-NIR -IS	FLEX-STD-UV-Vis-IS	FLEX-STD-Vis-NIR-IS
Part Number RES	Base	FLEX-RES-UV-Vis-NIR	FLEX-RES-UV-Vis	FLEX-RES-Vis-NIR
	Improved Sensitivity	FLEX-RES-UV-Vis-NIR -IS	FLEX-RES-UV-Vis-IS	FLEX-RES-Vis-NIR-IS

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