



Wilson Analytical Open Platform System

The advanced spectroscopic building block system for your lab.

What is the Open Platform System?

The Open Platform System (OPS) from Wilson Analytical features an optical plate that allows the easy mounting of a selection of light sources, sample holders and spectrometers in either 90 or 180 degree configuration. Spectrometers, light sources and sample holders can be changed quickly and easily, without having to open, align, or calibrate any delicate components.



The Wilson Open Platform Spectroscopy System

Versatile Measurements

- Dual spectrometer positions: fluorescence and reflectance (90°) and absorbance and transmission (180°) between light sources and spectrometers.
- Fluorescence excitation modified by changing light sources and optical filters.
- Absorbance, transmission or reflectance can be determined from a selection of single wavelengths or white light illumination.
- Reflection and transmission measurements are possible at all angles.

Versatile Light Wavelength

- Individual LED wavelengths available in 365 nm (UV), 405 nm (violet), 450 nm (blue), 520 nm (green), and 850 nm (near IR).
- Polychromatic light sources using white-light LED (400 – 850 nm) or tungsten-halogen incandescent (380 – 2500 nm).
- LED light source modules with integrated optical filter and feedback system provide high brightness and long life. Possible filter modification with 12.5 mm round filters.
- Light sources can be easily changed without having to open, align or calibrate any delicate components.

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Versatile Construction

- Self-aligning bevelled slides fit modules seamlessly into optical plate.
- Cuvette holder for standard 10 mm cuvettes. Includes integrated spill-recovery drain system, three optical ports and a “hat” with safety interlock and status indicator.
- The three-optical-port cuvette holder ensures easy measurements of liquids whether in fluorescence, absorbance or transmission configuration.
- Movable port cap covers inactive ports to improve spectral sensitivity.

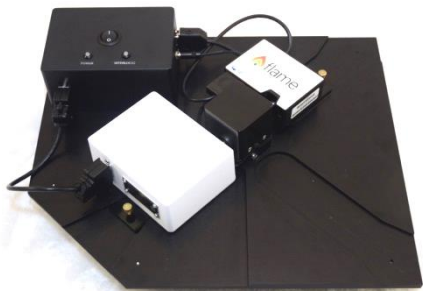


Cuvette holder (left) and solid sample holder allow for liquid or solid samples to be measured.

- A Solid Sampler is available for pressed pellets and surface samples which are easily mounted on a frame. The frame fits into the sampler baseplate where rotation to all angles is possible.
- The sampler can also be set up for reflection measurements of liquids, slurries, powders or electrochemical measurements.

Versatile Detection

- System accommodates Ocean Optics USB 2000+/4000, Flame, Maya and QE Pro spectrometers or other spectrometers set in any measurement configuration.



The Open Platform- absorbance configuration with “white light” light source and Ocean Optics Flame Spectrometer.



Open Platform-fluorescence configuration with 365 nm light source and Ocean Optics Flame Spectrometer.

Build the configuration that works best for you now, change it easily later.

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