



NEW Wilson Analytical LabBox

The lab quality, affordable, fluorescence or absorbance spectrometer.

- Optically stabilized LED light source provides high brightness and long life
- Integrated USB spectrometer and cuvette holder
- Rugged, high quality construction

Versatile Measurement Configuration

- Fluorescence or absorbance configuration can be selected when ordered
- Fluorescence excitation modified by changing light source and optical filters
- Absorbance – select single wavelength or white light LED illumination

Versatile Light Wavelength

- Individual LED wavelengths available in 365 nm (UV), 405 nm (violet), 450 nm (blue), 520 nm (green), 850 nm (near IR) or white light polychromatic
- Filter modification of LED light with 12 .5 mm round filters

Versatile Detection

- Fluorescence: high sensitivity, full visible spectrometer from 385 to 1100 nm
- Absorbance: high spectral resolution UV/Visible spectrometer from 190 to 850 nm

Versatile Construction

- Sapphire windows and drain system built into the cuvette holder protect the instrument from spills
- LEDs and interlocks for system safety and status information indicators

Versatile Software

- Wilson Analytical LightPilot for fluorescence quantitation
- Ocean Optics OceanView for general spectroscopy



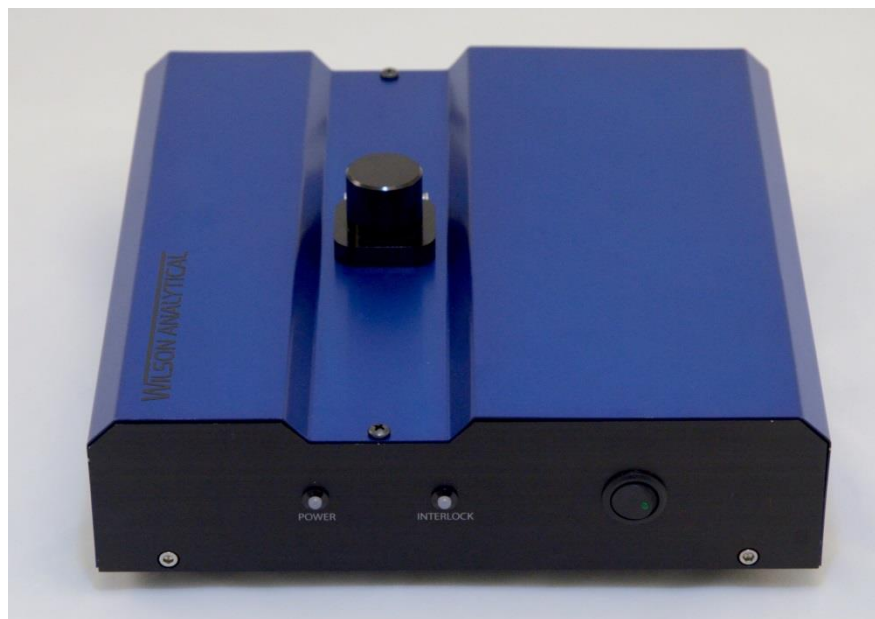
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Wilson Analytical LabBox

Filter Combinations for Specific Fluorescent Dyes

(systems for other dyes available upon request)

Fluorescent Dye	Excitation Max in nm	Emission Max in nm	Excitation Light Source Wavelength in nm (colour)	Optical Filter for Light Source	Optical Filter for Spectrometer
Hechst 33342	350	461	365 (UV)	Hoya U-340 UV SP	Thin Film UV Sheet LP
Oilfield Corrosion Inhibitors with APQs	325	492	365 (UV)	Hoya U-340 UV SP	Thin Film UV Sheet LP
8-Hydroxypyrene-1,3,6-trisulfonic acid trisodium salt (HPTS)	403	520	405 (Violet)	450 nm SP OD 4	450 nm LP OD 4
Fluorescein or Uranine (disodium salt)	491	516	450 (Blue)	475 nm SP OD 4	500 nm LP OD 4
Fluorescein Isothiocyanate (FITC)	495	519	450 (Blue)	475 nm SP OD 4	500 nm LP OD 4
Rhodamine WT	555	580	520 (Green)	550 nm SP OD 4	575 nm LP OD 4
7-AAD	546	647	520 (Green)	600 nm SP OD 4	620 nm Hoya R-62 LP



The LabBox system comes with a USB spectrometer, stabilized high output long life LED light source, a choice of 110 V or 220V power supply, software, cuvette holder and all cables.

For more information contact:

Wilson Analytical Services Inc.
Ken Schmidt
780.702.0610
ken@wilsonanalytical.com

www.wilsonanalytical.com