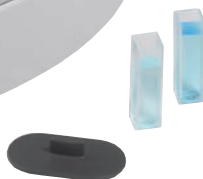


LAMBDA XLS and XLS+ Spectrophotometers



It's not just a UV/Vis.
It's a LAMBDA.



One of the most trusted product lines in the industry is expanding.

When you see the name LAMBDA you know you're getting a quality instrument. We've been manufacturing UV/Vis and UV/Vis/NIR instruments under the name LAMBDA for over 60 years. We'd like to introduce you to the newest, smallest member of our family, the LAMBDA XLS – a personal UV/Vis spectrophotometer for all your routine laboratory needs.



This is one time when big news comes in a small package.

Intuitive, easy to use tools can save you both time and money. The LAMBDA XLS was designed specifically with this in mind. With the latest innovative technology, this instrument allows you to invest your time in analyzing important data, rather than struggling to generate it. In addition, built-in, multiple language configurations will allow you to select the language most applicable to you.

Español

Deutsch

Français

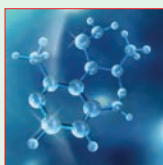
Italiano

Japanese



Performance that wow's the crowd and the finance people.

With its large LCD screen and full scanning capabilities, the LAMBDA XLS is a crowd pleaser. Built to last, easy to use and even easier to own. No moving parts, virtually no maintenance and no consumables make the LAMBDA XLS the perfect tool when the instrument just needs to work, day-in and day-out. Rely on the LAMBDA XLS. It's the smart choice for your laboratory in any application from teaching – where operator training may be an issue, to the most advanced R&D laboratory – where precious samples need to be processed right, the first time. The LAMBDA XLS will win the hearts and minds of anyone working with it. After all, it is a LAMBDA.



Speed, stability and confidence!

Order online at www.perkinelmer.com/lambdaxls




PerkinElmer[®]
precisely.



designed to make

spectrophotometry easier

You don't need an impressive budget, to have an impressive instrument.

The performance you'll experience with the LAMBDA XLS is only normally associated with much more expensive designs. Experience:

- Instant answers – unlike other instruments on the market, our LAMBDA XLS requires no warm up time. Our ultra fast initialization will have you analyzing a full range of spectrum in less than 3 seconds.
- Continuous uptime – our maintenance-free design with no moving parts, Xenon Light Source (XLS) and innovative polychromator technology provides you the reliability your laboratory needs.
- Superb stability – avoid instrument drift from excess heat with our split beam design and external power supply.
- Ruggedness – our sealed, zero-bounce membrane keypad is resistant to even the largest solvent spills.

Provides you with the versatility to do just about anything

Your work environment may be complex, but that doesn't mean your instrument needs to be. With the simplicity and elegance of the LAMBDA XLS, you'll be empowered to analyze samples when and where your projects demand:

- View, expand, and manipulate full spectra quickly and easily with the large, clear, 11.5 cm by 8.8 cm, backlit LCD display.
- Feel confident – low stray light provides exceptional linearity and confidence in your measurements.
- Personalize your laboratory – with the capacity to store up to 90 user-developed methods.
- Convenient sampling flexibility – measure your samples in any of our high quality precision glass, quartz, or disposable cells:
 - 10, 20 and 40 mm pathlength cells
 - Semi-micro cells: 700 μ l
 - Micro cells: 70 μ l
 - Ultra-micro cells: 15 μ l





the flexibility and performance you expect from a LAMBDA

Share the knowledge – multiple archiving and data sharing options

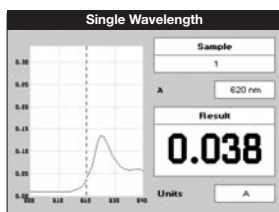
- **Collect data from up to 8 instruments:** a single PC using PVC application software can be configured to accept and automatically display data from up to 8 instruments. Data can be archived in Excel® (.xls), ASCII (.csv or .txt), graphics (.emf), or rich text (.rtf) formats.
- **Built in USB port:** transfer data to your computer for viewing, manipulating, printing, or archiving using the built in USB connection port. LAMBDA XLS PVC software is provided as standard with all instruments.
- **Optional integrated thermal printer:** For your permanent records, use the optional thermal printer to print all your results. With the standard 57 mm printer roll, your print-out can accommodate:

- Calibration Data
- Result
- Time and Date

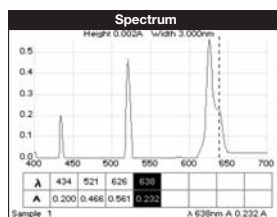
- **Secure Digital (SD) Flash Storage Card or Bluetooth® compatible:** for your archiving convenience, the LAMBDA XLS can be outfitted to accommodate a standard SD flash storage card or Bluetooth® accessory allowing you additional flexibility for transferring data.

Experience the power – flexible on-board software

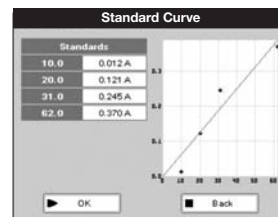
The LAMBDA XLS software is optimized to provide you with answers fast and conveniently. Save your own methods or choose from our broad range of pre-loaded measurement modes for simple efficient analysis.



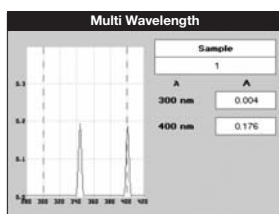
Allows you to specify a single wavelength to acquire data in %T or absorbance



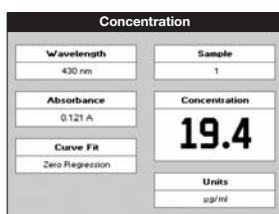
You can define a spectral range over which spectrum will be acquired and displayed in %T or absorbance



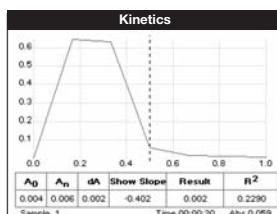
Up to 9 standards can be used to develop and store a calibration curve which will be used to determine a sample concentration



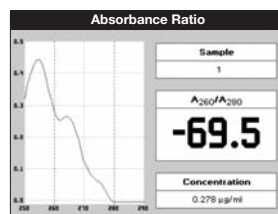
Data will be acquired at selected wavelengths and displayed in %T or absorbance



Data acquired at a defined wavelength will be multiplied by a constant selected by the user and the result displayed



Enables changes in absorbance or concentration at user-defined wavelengths to be measured as a function of time



Calculates absorbance or concentration ratios using two defined wavelengths

SPECIFICATIONS

Optical design	
Spectral bandwidth	
Wavelength	Range
	Scanning range
	Calibration
	Accuracy
	Reproducibility
Light source	
Photometric	Range
	Linearity
	Reproducibility
Stray light	
Zero stability	
Noise	
Stored capacity	
Display	
Keypad	
Outputs	
Dimensions (WxHxD)	
Weight	
Power input	
Languages	
Warranty	

LAMBDA XLS

Split beam
5 nm
190-1100 nm
200-950 nm
Automatic when the instrument is switched on
±2 nm
±1 nm
Pulsed Xenon lamp – 5+ year lifetime
-0.300 to 2.500 A, 0 to 199 %T
±0.005 A or 1% of the reading, whichever is the greater at 546 nm
±0.003 A (0-0.5 A), ±0.007 A (0.5-1.0 A)
<0.5% at 220 nm and 340 nm using NaNO ₂
±0.01 A/hour
0.005 peak to peak 0.002 rms
90 methods
11.5 cm x 8.8 cm
Sealed membrane keypad
USB, SD Card (optional), Bluetooth® (optional), Printer (optional)
340 x 170 x 330 mm (340 x 170 x 420 mm with printer attached)
3.2 kg (7.1 lb)
100-250 V, 50/60 Hz, Max 30 VA
English, Spanish, German, French, Italian, Japanese
1 year

LAMBDA XLS+

3 nm

ONLINE ORDERING INFORMATION

Part No.	System
L7110189	LAMBDA XLS
L7110190	LAMBDA XLS with Printer
L7110191	LAMBDA XLS with SD Card
L7110192	LAMBDA XLS+
L7110193	LAMBDA XLS+ with Printer
L7110194	LAMBDA XLS+ with SD Card

OPTIONS AND CONSUMABLES

Part No.	Description
L7110230	Printer module
L7110232	Spare printer paper (20 rolls)
L7110233	Bluetooth® accessory



Speed, stability and confidence!
Order online at www.perkinelmer.com/lambdaxls

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Waltham, MA 02451 USA
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(+1) 203-925-4602
www.perkinelmer.com



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