

HUMAN HEALTH

ENVIRONMENTAL HEALTH



# THE PERFECT PAIR



A PerkinElmer  
Authorized Distributor

## PerkinElmer Spectroscopy Instruments Source Guide

When 150 years of supply to the scientific community combines with more than 70 years of development and manufacture of leading analytical solutions, science wins.

Now VWR® and PerkinElmer® have joined together to offer a new level of service and capability to the scientific community. VWR, with its expertise in distribution, is now offering both FT-IR and UV/Vis spectroscopy solutions from PerkinElmer. The team you want on your side, to put your trust in, is ready for the challenge.

Whether you are working to improve human health, monitor the safety of our environment, improve material processes or educate the scientists of the future, VWR and PerkinElmer are there to support you all the way.

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### Your Personal UV/Vis Spectrophotometer LAMBDA XLS and LAMBDA Bio Spectrophotometers

When you see the name LAMBDA™ you know you're getting a quality instrument. PerkinElmer has been manufacturing UV/Vis and UV/Vis/NIR instruments under the LAMBDA name for over 60 years, and now proudly introduces the smallest member of the family with the heart of a lion.

The LAMBDA Bio and Bio+ meet all your routine life science application needs while the LAMBDA XLS is perfect for liquid samples in any general laboratory.

#### LAMBDA Bio and Bio+

The LAMBDA Bio is the life science calculator you wish you always had and now you can. It features pre-pro-

grammed methods to support the demands of both molecular biology and biotech laboratories including those for DNA, RNA, concentration and purity, and oligonucleotides. Protein methods include Direct UV, BCA,

Bradford, Lowry, Buiet and cell density measurements. Curve fitting with up to 9 standards in triplicate assures accurate results.

The Lambda Bio+, in addition to all the above, also functions as a scanning spectrophotometer. It is simply the best of both worlds.



LAMBDA XLS

#### LAMBDA XLS and XLS+

The LAMBDA XLS is an intuitive, easy-to-use general purpose spectrophotometer that meets a wide range of applications in chemical, environmental and academic environments.

The LAMBDA XLS features standard curve and quant methods in both single and multiple wavelengths. Absorbance ratio, wavelength scanning and kinetics are all included methods, so little user training is required.

The LAMBDA XLS (5 nm) and XLS+ (3 nm) band pass meet your resolution and sensitivity requirements.

#### Speed and Simplicity – Keep the Results Flowing LAMBDA 25/35 Series UV/Vis Spectrophotometers

If you are working in a regulated industry, need a wide range of sampling options or need to process a large number of samples a day, then the LAMBDA 25 and 35 range of spectrophotometers is the ideal choice. Recognized the world over as the gold standard for UV/Vis spectrophotometers, these systems never let you down. Their stability, repeatability and flexibility provide the ideal system to meet your needs now and in the future.

LAMBDA systems are easy to operate, and deliver results you can trust with the minimum of operator training. It's easy to develop simple, robust methods that can be followed without mistakes. Whichever LAMBDA system you choose, your day-to-day UV/Vis analyses will be faster, simpler and more dependable than ever before.

With more than 20,000 units installed worldwide, the superior technology of the LAMBDA instruments has proven itself under the toughest conditions.

The LAMBDA 25 is a fixed bandwidth system and is an ideal match for most routine UV/Vis applications and regulatory tests, giving fast and reliable results time after time. It features a 1-nm SBW configuration and meets all pharmacopeia requirements. Cell changers allow for high volume sampling and cell holders are Peltier controlled. For very high volume sampling, sipper and autosampler are available.

The variable bandwidth of the LAMBDA 35 offers the best solution for QC/QA on liquids, solids, pastes and powders. The instruments have all the attributes of the LAMBDA 25 but with the flexibility of user selectable bandwidths from 0.5 to 4 nm in four steps. An integrating sphere allows for measurements on cloth, powders and other diffuse or light scattered samples.

#### LAMBDA XLS/BIO FEATURES INCLUDE:

- Spectral range 190-1100 nm (200-950 nm scanning) – no warm up time
- Xenon flash lamp and no moving parts – long life without maintenance
- Superb stability – avoid instrument drift from excess heat with our split beam design
- Ruggedness – sealed keyboard and no moving parts are ideal for a teaching environment
- Flexible, easy-to-use on-board software with predefined applications – develop and store up to 90 of your own methods and no need for PC
- PC software allows export of data for analysis or archiving
- Cuvettes to meet your application – XLS version supports 10-40 mm path length cells for the maximum in flexibility
- Built-in USB port and optional printer, Secure Digital (SD) Flash Storage Card, or Bluetooth® compatible data transfer for convenient archiving



LAMBDA™ 25/35/45 UV/Vis Spectrophotometer

#### LAMBDA 25/35 FEATURES INCLUDE:

- True double-beam operation provides the best possible stability and allows references to be measured and corrected in real time
- Spectral range from 190-1100 nm, fixed 1-nm bandpass, variable 0.5-4 nm (LAMBDA 35)
- Sealed and quartz-coated high-throughput optics ensure consistent performance throughout the instrument's service life
- Wide array of sampling accessories for the maximum in flexibility
- Very low stray light for wide dynamic range
- Surpasses all regulatory body, quality system and pharmacopoeia requirements
- Prealigned deuterium and tungsten halogen lamps mean that when a lamp needs to be replaced there's no service call and no downtime
- PC-controlled. Optional 21 CFR Part 11 compliant software. IQ/OQ available.

## The Spectrum Two FTIR: IR Ready to Go

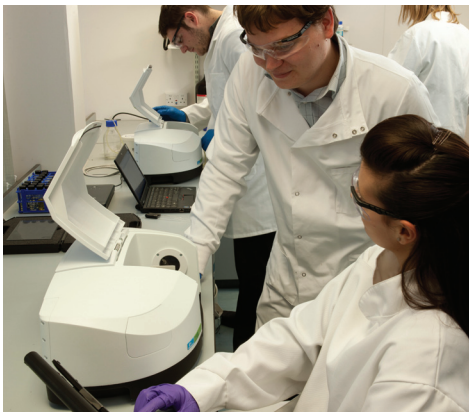
Easy to use, powerful, compact and robust – Spectrum Two™ is the IR spectrometer of choice for everybody, everywhere, everyday. Spectrum Two systems are suited to a wide range of applications. With fully integrated, robust universal sampling for trouble-free measurements and portability options, Spectrum Two is ideal for use in both laboratory and remote testing environments.

Over 65 years of PerkinElmer spectroscopy know-how have been distilled into one instrument to assure the quality of your materials – fast. For confidence in your IR results, every day, choose Spectrum Two.

Spectrum Two breaks new ground in operational simplicity, combining superb performance with low maintenance design.

For the first time, true laboratory performance IR for everyday analysis is now possible, for everyone, everywhere. PerkinElmer recognizes that every analysis application is different. The result is a complete solution to provide the fastest assurance of the quality of your materials, regardless of your application

- Academia
- Pharmaceuticals
- Nutraceuticals
- Polymers
- Environmental



For teachers and students of spectroscopy in academia, Spectrum Two helps develop an understanding of IR sampling techniques and spectral analysis.

### SPECTRUM TWO FEATURES INCLUDE:

- Saves energy: no danger of damaging optics if powered down for extended periods of time
- Application packages: minimize setup time and training for pharmaceutical, teaching and many other laboratories
- Trouble free operation: solid state laser and recognized industry leading “DynaScan” interferometer means years of trouble free operation under any conditions
- Long life: desiccant system lasts for years – not months. No routine maintenance required.
- Transportable: rugged design and battery operation allows you to go anywhere field work is needed
- Reduced in size, but not performance: highest performing FT-IR in its class
- Full 21 CFR compliance: required for regulated industries. Operates with Spectrum 10 ES software, an industry standard



## PRODUCT CODES

Code	Description
97024-422	Lambda 25 double beam UV/Visible Spectrophotometer
97024-424	Lambda 25 double beam UV/Visible Spectrophotometer/USA PC System
97024-426	Lambda 35 double beam UV/Visible Spectrophotometer
97024-428	Lambda 35 double beam UV/Visible Spectrophotometer/USA PC System
97024-430	Lambda 25 double beam UV/Visible Spectrophotometer with ES software
97024-432	Lambda 25 double beam UV/Visible Spectrophotometer with ES software/USA PC System
97024-434	Lambda 35 double beam UV/Visible Spectrophotometer with ES software
97024-436	Lambda 35 double beam UV/Visible Spectrophotometer with ES software/ USA PC System

Code	Description
89187-908	Spectrum Two FTIR: KBR, S10 Software
89187-886	Spectrum Two FTIR, DTC, KBR, SP10 for high performance
89187-898	Spectrum Two, KBR, Spectrum 10 with ES for 21CFR Part 11
89187-888	Spectrum Two FTIR: APV/AVI, SP10ES for 21CFR and high performance
89187-906	Spectrum Two FTIR: ZNSE, SP10 for harsh environments
89187-868	Spectrum Two FTIR: ZNSE, APV/AVI, SP10 for harsh environments, high performance
89187-900	Spectrum Two FTIR with Education Pack
89187-866	Spectrum Two FTIR with Pharma Pack
89187-870	Spectrum Two FTIR with Nutraceutical Pack
89187-912	UATR for Spectrum Two FTIR: Diamond for 8,300 to 350cm-1
89187-932	SPECTRUM TWO PORTABILITY PACK
89187-946	SPECTRUM TWO CARRY CASE

Code	Description
97024-662	Lambda XLS UV/Vis Spectrophotometer
97024-664	Lambda XLS UV/Vis Spectrophotometer with Printer
97024-666	Lambda XLS UV/Vis Spectrophotometer with SD Memory Card
97024-668	Lambda XLS+ UV/Vis Spectrophotometer
97024-670	Lambda XLS+ UV/Vis Spectrophotometer with Printer
97024-672	Lambda XLS+ UV/Vis Spectrophotometer with SD Memory Card
97024-674	Lambda Bio UV/Vis Spectrophotometer
97024-676	Lambda Bio UV/Vis Spectrophotometer with Printer
97024-678	Lambda Bio+ UV/Vis Spectrophotometer
97024-680	Lambda Bio+ UV/Vis Spectrophotometer with Printer
97024-682	Lambda Bio+ UV/Vis Spectrophotometer with SD Memory Card

For more information or to order,  
contact your VWR Sales Representative.

PerkinElmer, Inc.

For a complete listing of our global offices, visit [www.perkinelmer.com/ContactUs](http://www.perkinelmer.com/ContactUs)

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