

# LAMBDA Flex Series UV/Vis, UV/Vis/NIR Systems

Drawing on the long history and unique features of the LAMBDA series high performance spectrophotometer family, PerkinElmer is introducing a new level of flexibility to the already extensive portfolio of LAMBDA high end spectrophotometers.

Offering the most cost-effective solutions possible to support measurements needs, while protecting the ability to change as new projects and requirements arise. The LAMBDA Flex Systems configuration provides a cost-effective solution to any lab or manufacturing site. It allows our customers the unprecedented ability to configure their instrument with the capability needed at the current time, but provide a path to continuously upgrade their system. This ability provides customers a level of flexibility not available in the past or from any other vendor and minimizes their initial capital purchase by allowing them the flexibility to expand the system as needs change.

The LAMBDA Flex Systems include all of the high-performance instrument platforms, LAMBDA 650/750/850/950/1050, in a basic configuration, which excludes the standard detector module.

Performance is never compromised. All instruments are fully aligned and tested with a standard detector module. This ensures every instrument will meet our published specifications based on the standard detector configuration. Upon completing final testing, the standard detector module is removed and the instrument is paired with the selected accessories.

Each sales order will require the selection of one of the various sampling modules from the vast array of techniques currently available. The instrument can be purchased with no detector module. It can be used with a PerkinElmer approved accessory that has a compatible detector configuration, if needed, or utilize an existing detector module. In these cases, additional service is not included, but a quote can be requested from the service team.

There are a few limitations in the configurations that can be selected, which is provided in the System Configuration Matrix. These are due to technical considerations to prevent noncompatible configurations from being selected. This will prevent a configuration from being selected which does not meet requirements.

## LAMBDA Series of UV/Vis/NIR Systems: The Customer Advantage

The LAMBDA series instruments provide two sampling areas a primary sample compartment where a wide range of samples can be analyzed, utilizing one of the sample compartment array of accessories available. In addition, the standard detector module is removable allowing it to be replaced with a number of additional sampling accessories, which can be used with the instrument. In many analyses it is convenient or necessary to use both the sample compartment accessory in conjunction with one of the optional detector accessories for a specific analysis.

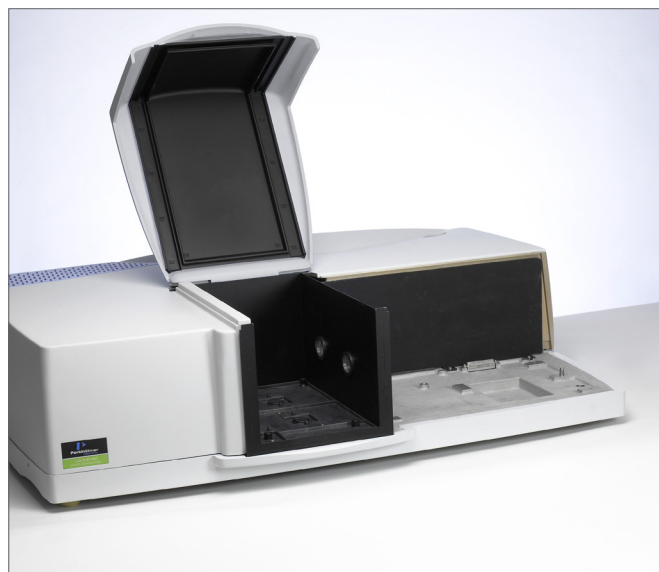


Figure 1. LAMBDA System with standard sample compartment and open area for accessory additions shown.

## System Configuration Matrix

LAMBDA Flex Series Accessory Matrix						
ACCESSORY	PART NO.	LAMBDA 650	LAMBDA 750	LAMBDA 850	LAMBDA 950	LAMBDA 1050
60 mm PbS Sphere	L6020203	X	X	X	X	X
60 mm InGaAs Sphere	L6020323	X	X	X	X	X
100 mm PbS Sphere	L6020372	X	X	X	X	X
100 mm InGaAs Sphere	L6020371	X	X	X	X	X
150 mm PbS Sphere	L6020204	X		X	X	X
150 mm InGaAs Sphere	L6020322	X		X	X	X
60 mm Collection Sphere	L6020209	X	X	X	X	X
270 mm Diffuse Transmission Sphere	L6020370				X	X
Large Sample 150 mm Sphere	PELA1002				X	X
150 mm PbS Downward Viewing Sphere	PELA1001				X	X
150 mm InGaAs Downward Viewing Sphere	L6020370				X	X
60 mm Gold PbS Sphere (NIR Only)	PELA1021				X	X
UV/Vis URA	L6020209	X		X		
UV/Vis/NIR URA	L6020202				X	
UV/Vis/NIR (1050) URA	L6020358					X
GPOB, Standard	PELA1003	X		X	X	X
GPOB, InGaAs	L6020238				X	X
Automated Reflectance /Transmission Accessory	L6020116				X	X
0°/ 45° Diffuse Reflectance Accessory	PELA1016				X	X
Goniometer Accessory	PELA1032	X		X	X	X

"X" Indicates a compatible platform

Interchanging the sampling modules is a simple process. Once a detector unit has been aligned, no additional alignment is typically necessary. Accessories and detector modules use kinematic mounting which provides very good repeatability.

LAMBDA Flex Systems configurations allow more flexibility and help minimize upfront expenses by allowing the exact configuration required at time of purchase. The capability of the LAMBDA system can be enhanced as needed by adding additional measurement capability to meet any sampling challenge necessary at any time.



Figure 2. Changing the sampling module is a simple process and only takes minutes to switch applications.

## LAMBDA Flex Systems

The LAMBDA Flex Series of instruments takes advantage of our industry's unique platform concept. This allows the instrument detector module and sample compartment to be removed and be replaced by a wide array of sampling accessories and

detector options. This capability also provides greater expandability to meet measurement challenges as they develop by simply adding the needed functionality. Service installation testing of system, however, is limited by accessory type.

PART NO.	LAMBDA SYSTEM	DESCRIPTION
L6020135	LAMBDA 650 Flex System	Includes a fully tested LAMBDA 650 basic instrument with no detector module. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020137	LAMBDA 750 Flex System	Includes a fully tested LAMBDA 750 basic instrument with no detector module. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020139	LAMBDA 850 Flex System	Includes a fully tested LAMBDA 850 basic instrument with no detector module. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020141	LAMBDA 950 Flex System	Includes a fully tested LAMBDA 950 basic instrument with no detector module. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020143	LAMBDA 1050 Flex system	Includes a fully tested LAMBDA 1050 basic instrument with no detector module. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020144	LAMBDA 650 ES Flex System	Includes a fully tested LAMBDA 650 basic instrument with no detector module and is supplied with the Enhanced Security software to meet the requirements of 21 CFR part 11 compliance. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020145	LAMBDA 750 ES Flex System	Includes a fully tested LAMBDA 750 basic instrument with no detector module and is supplied with the Enhanced Security software to meet the requirements of 21 CFR part 11 compliance. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020146	LAMBDA 850 ES Flex System	Includes a fully tested LAMBDA 850 basic instrument with no detector module and is supplied with the Enhanced Security software to meet the requirements of 21 CFR part 11 compliance. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020147	LAMBDA 950 ES Flex System	Includes a fully tested LAMBDA 950 basic instrument with no detector module and is supplied with the Enhanced Security software to meet the requirements of 21 CFR part 11 compliance. Detector option can be selected at time of purchase or existing detector module may be adapted.
L6020148	LAMBDA 1050 ES Flex System	Includes a fully tested LAMBDA 1050 basic instrument with no detector module and is supplied with the Enhanced Security software to meet the requirements of 21 CFR part 11 compliance. Detector option can be selected at time of purchase or existing detector module may be adapted.

For more information, please visit our website at [www.perkinelmer.com](http://www.perkinelmer.com)

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