

**Spectrophotometer LLG-uniSPEC 2 and 4****LLG Labware****Spectrophotometer LLG-uniSPEC 2 and 4**

High-quality and cost-efficient UV/VIS spectrophotometers for pharmaceutical, biochemical and clinical lab applications.

Suitable for different measurement types such as kinetics, wavelength scans, quantitative analysis, multi-wavelength and DNA/Protein analysis.

Available in two versions:

LLG-uniSPEC 2 for standard routine measurements and uniSPEC 4 suitable for complex measurements e.g. required for quality controls. LLG-uniSPEC 4 features a small band width and a high wavelength accuracy. Both units can store and save 200 calibration curves. A pre-adjusted lamp design allows a fast and easy lamp replacement. Both lamps can be individually turned on/off to extend the durability. Both versions can be used either as stand-alone units or can be operated via a PC by using the supplied software.

- Single beam system, grid with 1200 lines / mm
- Silicon photodiode detector
- Parallel port for printer output
- USB port
- 4 position cell holder (10 mm) included
- Additional cell holders optionally available
- LCD display
- Deuterium and tungsten lamp
- Automatic wavelength adjustment



Scope of supply: LLG-uniSPEC 2 or 4 Photometer, software for connection to PC, 4 glass cells and 2 quartz cells.

Specifications LLG-uniSPEC 2 // LLG-uniSPEC 4

Optical System: Single beam, Grating 1200 lines/mm, Silicon photodiode detector

Wavelength range:

Bandwidth: 190 to 1100 nm

2 nm // 1.8 nm

Wavelength accuracy:



Wavelength repeatability:
Wavelength setting: $\pm 0.5 \text{ nm}$ // $\pm 0.3 \text{ nm}$
0.3 nm // 0.2 nm
automatic
Photometric accuracy:
Photometric repeatability:
Photometric range: $\pm 0.5 \% T$ // $\pm 0.3 \% T$
0.3 % T // 0.2 % T
-0.3-3 A, 0-200 % T, 0-9999 C
Stability:
Stray light: $\pm 0.002 \text{ A/h}$ at 500 nm
0.1 %T // 0.05 %T at 220 nm, 360 nm
Data output:
Printer port:
Display: USB port
parallel port
128 x 64 Dots LCD // 320 x 240 Dots LCD
Standard cell holder:
Lamps: 4-position 10 mm cell changer
D2 lamp and W lamp
Dimension (W x D x H):
Weight: 460 x 360 x 225 mm // 625 x 430 x 206 mm
18 kg // 28 kg
Power supply: 220 V/50 Hz or 110 V/60 Hz
Warranty: 3 years

Code	Description	Packaging
LLG06263610	Spectrophotometer uniSPEC 2 and 4, Type uniSPEC 2, Plug type EU	1 pezzo
LLG06263620	Spectrophotometer uniSPEC 4, Plug type EU	1 pezzo
LLG06263611	Spectrophotometer uniSPEC 2 and 4, Type uniSPEC 2, Plug type UK	1 pz.
LLG06263621	Spectrophotometer uniSPEC 4, Plug type UK	1 pz.





CARLO ERBA Reagents S.A.S.
Chaussée du Vexin – 27106 Val
de Reuil cedex
N° TVA: FR 63391048824
Tél : +33 (0)2 32 09 20 00
www.carloerbareagents.com



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