



ACEFESA

Productos para Laboratorio e Industria

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Distribuidores oficiales de BIOSAN

OFERTA ESPECIAL
LIBRA S22
4.900,00 € (+iva)
(Válido hasta 15.10.2017)



Libra S21 Visible and Libra S22 UV/Visible Spectrophotometers

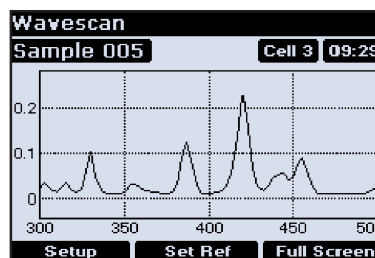
- Press To Read (PTR) xenon lamp technology
- Reference Beam Compensation (RBC)
- Instrument Performance Validation (IPV) facility
- 8-position sample changer as standard
- Rapid System Operation

Libra S21 and S22 are simple-to-use instruments with advanced performance, incorporating xenon lamp technology for longer source lifetime and lower maintenance costs. A further benefit of this design is optical noise compensation to improve signal to background measurements. Instrument Performance Validation (IPV) is included as standard, and will benefit any laboratory that needs to prove the quality of their results; the GLP results can be viewed on the display or printed out.

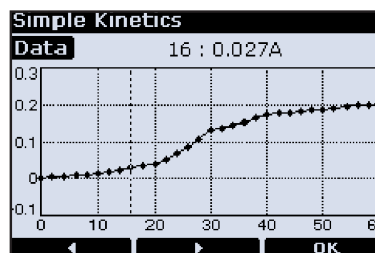
In addition to measuring absorbance, transmittance and concentration, they provide a standard curve routine for analyte determination. Wavelength scan (with zoom), absorbance changes with time, reaction rate determinations and standard curves can be displayed as graphics and printed out. User defined equations can be entered using multi-wavelength mode and up to 18 methods can be saved in separate operator folders. The instrument can be

upgraded for more sophisticated applications, as well as data manipulation, with Acquire Software and a PC.

With its large sample compartment and wide range of accessories, Libra S21 and S22 are versatile and reliable instruments for use in any laboratory performing general-purpose measurements.



Wavelength scan



Kinetics

Instrument	Part number	Lamps	Optics	Wavelength range, nm	Absorbance range, A	Bandwidth, nm
Libra S21	80-2115-25	Xenon Press to read (PTR)	Reference beam compensation (RBC)	325 - 1100	-3.000 to + 3.000	< 3
Libra S22	80-2115-20	Xenon Press to read (PTR)	Reference beam compensation (RBC)	190 - 1100	-3.000 to + 3.000	< 3

SPECIFICATION AND WARRANTY

Wavelength range	190 - 1100nm for Libra S22 325 - 1100nm for Libra S21
Monochromator	1200 lines/mm Aberration corrected concave grating
Maximum scanning speed	3000 nm/minute
Spectral bandwidth	< 3nm
Wavelength accuracy	± 1nm
Wavelength reproducibility	± 0.5nm
Light source	xenon lamp
Detectors	two silicon photodiodes
Photometric range	- 3.000 to 3.000A, -9999 to 9999 concentration units, 0.1 to 200%T
Photometric accuracy	± 0.5% or ± 0.003A to 3.000A at 546 nm, whichever is the larger
Photometric reproducibility	within 0.5% of absorbance value to 3.000A at 546 nm
Stability	± 0.001A per hour at 340nm at 0A
Stray light	<0.05 %T at 220nm using NaI and <0.05 %T at 340nm using NaNO ₂
Digital output	9 pin serial and Centronics parallel
Sample compartment size	210 x 140 x 80mm
Dimensions	510 x 350 x 160mm
Weight	13kg
Power requirements	100 - 240V AC ± 10%, 50/60Hz, 80VA
Safety Standard	EN61010-1
EMC emissions	EN 61326-2.3 Generic emissions
EMC immunity	EN 61000-4-6 Generic immunity part 1
Mains harmonics	EN 61000-3-2
Quality System	Designed and manufactured in accordance with an ISO9001 approved quality system

Specifications are measured at a constant ambient temperature and are typical of a production unit. As part of our policy of continuous development, we reserve the right to alter specifications without notice.

Warranty

Your supplier guarantees that the product supplied has been thoroughly tested to ensure that it meets its published specification. The warranty included in the conditions of supply is valid for 12 months only if the product has been used according to the instructions supplied. They can accept no liability for loss or damage, however caused, arising from the faulty or incorrect use of this product.

This product has been designed and manufactured by Biochrom Ltd, 22 Cambridge Science Park, Milton Road, Cambridge CB4 0FJ, UK.



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