DINKO
Instruments

SPECTROPHOTOMETER UV-VIS DOUBLE BEAM. Model UV-6900

Spectrophotometer belonging to a new generation of dual-beam instruments with 2 detectors that simultaneously measure the reference and the sample to optimize accuracy, sensitivity, low stray light and a bandwidth of up to 0.5 nm.

A suitable instrument for clinical, pharmaceutical and biochemical laboratories as well as current applications and quantitative analysis, kinetics, scannings at various wavelengths and analysis of DNA / Protein. All operable directly on the instrument and displayed on the LCD screen or transferred to PC, data, and curve.

♦ Auto - calibration baseline, wavelength and dark current
♦ Equipped with parallel printer port and one USB for PC. Included software
♦ Available a variety of accessories to complete the versatility of the spectrophotometer.
♦ New layout monochromator diffraction grating with 1200 lines which ensures high durability and stability of the system
♦ Software Update by internet
♦ Real-time results, date and time
♦ 320x240mm LCD big screen

Parameters	Features	Parameters	Features
Optical principle	Double beam	Baseline flatness	±0.001Abs
Wavelength range	190-1100nm	Noise	±0.001 Abs
Wavelength accuracy	±0.3nm	Band width	0.5 / 1.0 / 2.0 / 4, to select
Wavelength repeatability	±0.2nm	Stray light	<0.05%T (220nm, 360nm)
Photometric accuracy	±0.3%T	Out	USB
Measuring ranges	Abs: -0.3 to 3.0 %T: 0 to 200%T Conc: 0 to 9999C	Baseline stability	0.002 Abs/h (at 500nm, after 2h warm up
Photometric repeatability	±0.2%T	Light source	WI, D2
Instrument control	Autonomous and PC	Detectors	Silicon photodiodes
Weight	30Kg	Printer port	Parallel
Power	220VAC 50/60Hz	Size	625w x 430d x 206h mm

Accessories

8-position 10mm. automatic cell - holder. Code 6.6900.01

Micro-printer. Code 6.6900.07

SOFTWARE UV/VIS ANALYST (included). Features

Multi - Wavelength

Up 32 wavelengths can be selected and multiple samples can be measured

Quantitative

1- Coefficient method
2- Standard curve
Up to 10 standards samples may be used to establish a curve. Four methods for fitting a curve through the calibration points: Linear fit, Linear fit through zero, Square fit and Cubic fit

Wavelength Scan

1- The wavelength scan intervals are:0.1 - 0.2 - 0.5 - 1 - 2.5
2- Scan speed: High - Medium and Low, from 100 to 3000nm/min.

DNA /Protein Test

Concentration and DNA purity are quickly and easily calculated:
Absorbance ratios 260nm / 280nm with optional subtracted absorbance at 320nm
DNA concentration = 62.9 x A260 - 36,0 x A280
Protein concentration= 1552 x A260 - 757,3 x A280

Kinetics

Calculate reaction rates. Graphical time / real time absorbance
Total time up to 12 hours with reading selectable interval 0.5 -1 - 2 - 5 - 10 - 30 seconds and 1 minute
Further manipulation with re-scaling, curve tracking and selection of the part of the curve required for the rate calculation
The speed is calculated using a linear regression algorithm before multiplying by the factor entered

Code	Description
6.6900.00*	Spectrophotometer Double Beam . Model UV 6900 with software, cable USB, 2-cell cuvette 10mm holder, 4 glass cuvettes 10mm, 2 quartz cuvettes 10mm. Band width 0.5 /1.0 / 2.0 / 4.0 to select
6.6900.01	8-position 10mm. automatic cell - holder
6.6900.03	Halogen lamp
6 .6900.08	Deuterium lamp
6.6900.06	Cuvette with lid, quartz, 3.5ml, path light 10mm, 2pcs
6.6900.05	Cuvette with lid, glass, 3.5ml, path light 10mm, 4pcs
8.9749.00*	PC, with monitor TFT 19" for UV6900
6.6900.07*	Micro-printer for dates

Additional accessories on request

Distributor:

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