7310

Visible Scanning Spectrophotometer

The 7310 uses icon driven software and has an improved navigation system for easy and intuitive usability. This spectrophotometer builds on the 7300 platform with additional measurement modes for spectrum scanning, kinetics and quantitation. The 7310 is ideal for routine testing in clinical, veterinary, pharmaceutical and QC laboratories.

Technical Specification

Wavelength

Range	320 to 1000nm
Resolution	1nm
Accuracy	±2nm
Spectral Bandwidth	5nm

Photometrics

Absorbance Range	-0.300 to 2.500A
Transmittance Range	0 to 199.9%T
Photometric Accuracy	±1%T, ±0.01A at 1.000 Absorbance

Concentration/Quantitation

Range	-300 to 9999
Resolution	Selectable 1/0.1/0.01/0.001
Factor	0.001 to 10000
Standard	0.001 to 1000
Concentration Calibration	Blank with a single standard or factor
Quantitation Calibration	Blank with up to 6 standards
Quantitation Curve Fit	Quadratic, quadratic through zero, linear, linear through zero, interpolate

Kinetics

Measurement time	2 to 9999 seconds
Kinetics Calibration	Blank with a single standard or factor
Resolution	Selectable 1/0.1/0.01/0.001
Kinetics Display	Graphical and concentration value
Analysis	Concentration, rate of change, initial and final absorbance or %transmittance

Spectrum

Scan Interval	1, 2 or 5nm
Analysis	Absorbance or %transmittance and peak and valleys

Other

Method storage	240
Results storage	Limited by USB memory stick
GLP	Real time clock & calendar, operator ID
Light Source	Tungsten halogen lamp
Outputs	USB, Analogue, RS232, Internal printer
Size (w x d x h), mm	275 x 400 x 220
Weight, kg	6

Key Features

- Spectrum scanning across entire range from 320 to 1000nm
- 5nm spectral bandwidth
- Icon driven software
- Small footprint
- Autologging capabilities
- Internal method storage
- Results and method saving to USB memory stick
- 3 year warranty

7310
Part code: 731 001

Ordering Information

Part Code	Description
731 001	7310 Visible scanning spectrophotometer fitted with a single 10x10mm cuvette holder and supplied with 100 disposable cuvettes, 4GB USB memory stick, instruction manual, universal power supply, PC software on CD ROM and interface cable.