

Key Features

- Spectrum scanning across entire range from 198 to 1000nm
- 5nm spectral bandwidth
- Press to read xenon lamp
- Icon driven software
- Small footprint
- Autologging capabilities
- Internal method storage
- Save results and methods to USB memory stick
- 3 year warranty including xenon lamp



7315

Part code: 731 501



Connect With Us



7315

UV/Visible Scanning Spectrophotometer

The 7315 spectrophotometer uses icon driven software and has an improved navigation system for easy and intuitive usability. This instrument is an advanced spectrophotometer with measurement modes for photometrics, concentration, spectrum scanning, quantitation and kinetics. This model will meet the demands of a wide range of applications especially those in clinical, veterinary, environmental and general QC laboratories.

Technical Specification

Wavelength

| | |
|--------------------|---------------|
| Range | 198 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 | Xenon lamp |
| Outputs | USB, Analogue, RS232, Internal printer |
| Size (w x d x h), mm | 275 x 400 x 220 |
| Weight, kg | 6 |

Ordering Information

Part Code Description

| | |
|---------|--|
| 731 501 | 7315 UV/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. |
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