

Описание на спектрофотометры. Серия 7300, 7305

По вопросам продаж и поддержки обращайтесь:

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7310 and 7315 Spectrophotometers



- Icon driven software
- Results and method saving to USB memory stick
- Autologging capabilities
- Press to read xenon lamp (7315)
- 3 year warranty including xenon lamp
- Extensive range of accessories available

The 73 series introduces four new spectrophotometers to the extensive Jenway range. These spectrophotometers use icon driven software and have an improved navigation system for easy and intuitive usability. The range includes two basic models, 7300 and 7305 and two advanced models, 7310 and 7315. The 7310 and 7315 feature measurement modes for absorbance, % transmittance, concentration, spectrum scanning, kinetics and quantitation.

The advanced models have the additional feature of an easy access USB port on the front of the unit which enables results to be stored directly to a USB memory stick for easy transfer of data. These models can also store up to 240 methods which can be copied from one unit to another using the USB capability.

The 7310 and 7315 models have enhanced security features enabling the settings and methods to be locked preventing unauthorised changes to the instrument settings and method parameters. The home page can also be customised and selected modes restricted, which is ideal for teaching laboratories.

The 73 series spectrophotometers are all covered by a three year warranty which includes the xenon lamp.

Technical Specification

Parameter	7310	7315
Wavelength Range	320 to 1000nm	198 to 1000nm
Light source	Tungsten halogen lamp	Xenon lamp
Resolution	1nm	1nm
Accuracy	± 2nm	± 2nm
Repeatability	± 0.5nm	± 0.5nm
Spectral bandwidth	5nm	5nm
Photometric Transmittance	0 to 199.9%	0 to 199.9%
Photometric Absorbance	-0.300 to 2.500	-0.300 to 2.500
Photometric Accuracy	± 1%T, ± 0.01Abs at 1.000 Absorbance	± 1%T, ± 0.01Abs at 1.000 Absorbance
Photometric Resolution	0.1%T, 0.001A	0.1%T, 0.001A
Concentration Range	-300 to 9999	-300 to 9999
Concentration Resolution	selec table 1/ 0.1/ 0.01/ 0.001	selec table 1/ 0.1/ 0.01/ 0.001
Concentration Calibration	Blank with a single standard or factor	Blank with a single standard or factor
Concentration Units	no units, %, ppm, EBC, SRM, mEq/l, mEq, M, mM, μM, nM, U, U/l, U/ml, g/l, mg/l, μg/l, ng/l, g/dl, mg/dl, μg/dl, mg/ml, μg/ml, ng/ml, μg/ul, ng/ul, mol/l, mmol/l	no units, %, ppm, EBC, SRM, mEq/l, mEq, M, mM, μM, nM, U, U/l, U/ml, g/l, mg/l, μg/l, ng/l, g/dl, mg/dl, μg/dl, mg/ml, μg/ml, ng/ml, μg/ul, ng/ul, mol/l, mmol/l
Concentration Factor	0.001 to 10000	0.001 to 10000
Concentration Standard	0.001 to 1000	0.001 to 1000
Quantitation Range	-300 to 9999	-300 to 9999
Quantitation Resolution	selec table 1/ 0.1/ 0.01/ 0.001	selec table 1/ 0.1/ 0.01/ 0.001
Quantitation Calibration	Blank with up to 6 standards	Blank with up to 6 standards
Quantitation Curve fit algorithms	Quadratic, quadratic through zero, linear, linear through zero, interpolate	Quadratic, quadratic through zero, linear, linear through zero, interpolate

Kinetics Measurement time	2 to 9999 seconds	2 to 9999 seconds
Kinetics Calibration	Blank with a single standard or factor	Blank with a single standard or factor
Kinetics Display	Graphical and concentration	Graphical and concentration
Kinetics Analysis	Concentration, rate of change, initial and final absorbance/%T	Concentration, rate of change, initial and final absorbance/:%T
Kinetics Resolution	selec table 1/ 0.1/ 0.01/ 0.001	selec table 1/ 0.1/ 0.01/ 0.001
Spectrum Range	320 to 1000nm	198 to 1000nm
Spectrum Scan interval	selec table 1, 2 or 5nm	selec table 1, 2 or 5nm
Spectrum Analysis	Absorbance or transmittance and peak and valleys	Absorbance or transmittance and peak and valleys
GLP	Current time and date, user ID, instrument lock and method lock	Current time and date, user ID, instrument lock and method lock
Method storage	240	240
Results memory	Limited by attached mass storage device	Limited by attached mass storage device
Removable media	USB (supplied)	USB (supplied)
Outputs	USB, Analogue, RS232, Integral printer	USB, Analogue, RS232, Integral printer
Size (w x d x h)	275 x 400 x 220mm	275 x 400 x 220mm
Weight	6kg	6kg

Ordering Information

Part Code	Description
731 001	7310 visible, scanning spectrophotometer fitted with 10x10mm cuvette holder, supplied with pack 100 disposable cuvettes, instruction manual, universal power supply, USB memory stick, PC software on CD ROM and interface cable
731 501	7315 UV/visible, scanning spectrophotometer fitted with 10x10mm cuvette holder, supplied with pack 100 disposable cuvettes, instruction manual, universal power supply, USB memory stick, PC software on CD ROM and interface cable

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