



JENWAY

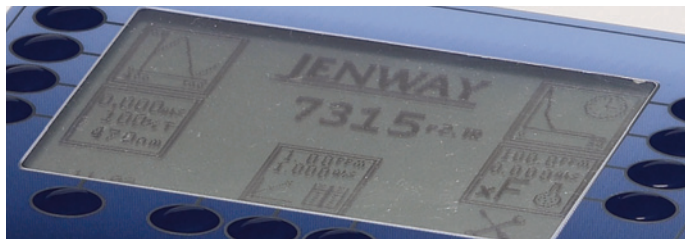
73 Series

Spectrophotometers

The new 73 series introduces four new spectrophotometers to the extensive Jenway range. The 7300 and 7310 cover the visible range of the spectrum and the 7305 and 7315 use a flash xenon lamp to extend the wavelength range into the UV region of the spectrum. The basic models, 7300 and 7305, have measurement modes for absorbance, % transmittance and concentration. The advanced models, 7310 and 7315, introduce scanning, kinetics and quantitation measurement modes to the range. The 73 series spectrophotometers are ideal for use in education and routine quality control applications.

These spectrophotometers use icon driven software and have an improved navigation system for easy and intuitive usability. All four models have a narrow spectral bandwidth of 5nm. These units have been designed to take up a small area of bench space with the additional option of an integrated printer. The 7310 and 7315 models have the added feature of saving results to USB memory stick for easy transfer of data. Each model has autologging capabilities, for simple and instant results storage. They are all supplied with free PC software and there is an extensive range of accessories available.





7300

7305

7310

7315

Wavelength

Range	320 to 1000nm	198 to 1000nm	320 to 1000nm	198 to 1000nm
Light source	Tungsten halogen lamp	Xenon lamp	Tungsten halogen lamp	Xenon lamp
Resolution	----- 1nm -----			
Accuracy	----- ±2nm -----			
Repeatability	----- ±0.5nm -----			
Spectral bandwidth	----- 5nm -----			

Photometrics

Transmittance	----- 0 to 199.9% -----			
Absorbance	----- -0.300 to 2.500 -----			
Accuracy	----- ±1%T, ±0.01Abs at 1.000 Absorbance -----			
Resolution	----- 0.1%T, 0.001A -----			

Concentration

Range	----- -300 to 9999 -----			
Resolution	----- Selectable 1/0.1/0.01/0.001 -----			
Calibration	----- Blank with a single standard or factor -----			
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/μl, ng/μl, mol/l, mmol/l			
Factor	----- 0.001 to 10000 -----			
Standard	----- 0.001 to 1000 -----			

Quantitation

Range	-	-	----- -300 to 9999 -----
Resolution	-	-	Selectable 1/0.1/0.01/0.001
Calibration	-	-	Blank with up to 6 standards
Curve fit statistics	-	-	Quadratic, quadratic through zero, linear, linear through zero, interpolate

Kinetics

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

Spectrum

Scan interval	-	-	Selectable 1, 2 or 5nm
Analysis	-	-	Absorbance or % transmittance and wavelength of peak and valleys

Other

GLP	-	-	Current time and date, user ID, instrument lock and method lock
Method storage	-	-	240
Results storage	-	-	Limited by attached USB
Removable media	-	-	USB (supplied)
Outputs	Analogue, RS232, Integral printer		USB, Analogue, RS232, Integral printer
Size (w x d x h)	----- 275 x 350 x 200mm -----		
Weight	----- 6kg -----		

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Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.