

73 Series Spectrophotometers

- UV and UV/VIS Spectrophotometers
- Easy to use
- Compact and lightweight with a small footprint
- Multiple mode choices and customizable features



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73 Series Spectrophotometers

Introducing the 73 series

The four new spectrophotometers in the 73 series range include models 7300 and 7310 which cover the visible region of the spectrum; the 7305 and 7315 models use a flash xenon lamp to extend the wavelength range into the UV region of the spectrum.

Basic models, 7300 and 7305, feature measurement modes, percent transmittance, absorbance and concentration. Advanced models, 7310 and 7315, include the basic features plus scanning, kinetics and quantitation.

Improved Optics

The new 73 series have improved optics resulting in a narrow spectral bandwidth of 5 nm and an absorbance range of -0.3 to 2.5 Abs.

- The 7305 and 7315 models use a press-to-read (PTR) xenon lamp to give more accurate readings and extend lamp life.
- The xenon lamp is covered by a three year warranty.
- The 7300 and 7310 models have a tungsten halogen lamp with a lamp save feature which enables the lamp to be turned off automatically after periods of inactivity.

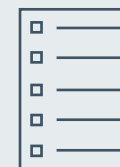
**Press-to-read (PTR) feature to extend lamp life.*



Improved optics



Extended lamp life with PTR*



Autologging capable



Easy USB data transfer
(7310 & 7315 models)



SPECIFICATIONS				
	7300	7305	7310	7315
Outputs	Analogue, RS232, Integral printer		USB, Analogue, RS232, Integral printer	
Size (W X D X H)	11 in x 16 in x 9 in (275 mm x 400 mm x 220 mm)			
Weight	13 lb (6 kg)			
Wavelength				
Range	320 to 1,000 nm	198 to 1,000 nm	320 to 1,000 nm	198 to 1,000 nm
Light source	Tungsten halogen lamp	Xenon lamp	Tungsten halogen lamp	Xenon lamp
Resolution	1 nm			
Accuracy	±2 nm			
Repeatability	±0.5 nm			
Spectral bandwidth	5 nm			
Photometrics				
Transmittance	0 to 199.9%			
Absorbance	-0.300 to 2.500 A			
Accuracy	±1% T, ±0.01 Abs at 1.000 Absorbance			
Resolution	0.1% T, 0.001 A			
Concentration				
Range	-300 to 9,999			
Resolution	Selectable 1, 0.1, 0.01, 0.001			
Calibration	Blank with a single standard or factor			
Factor	0.001 to 10,000			
Standard	0.001 to 1,000			
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			



EXCLUSIVE SPECIFICATIONS FOR 7310 AND 7315 MODELS	
	Quantitation
Range	-300 to 9,999
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 9,999 seconds
Calibration	Blank with a single standard or factor
Resolution	Selectable 1, 0.1, 0.01, 0.001
Display	Graphical and concentration
Analysis	Concentration, rate of change, initial and final absorbance or % transmittance
	Spectrum
Scan Interval	Selectable 1, 2 or 5 nm
Analysis	Absorbance or % transmittance and 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)

JENWAY 7300 SERIES

Part Number	Product Name	Description
83058-15	Jenway 7300	Visible Spectrophotometer; 90 to 264 V, includes one 10 x 10 mm cuvette holder
83058-16	Jenway 7305	UV/Visible Spectrophotometer; 90 to 264 V, includes one 10 x 10 mm cuvette holder
83058-17	Jenway 7310	Advanced Visible Spectrophotometer; 90 to 264 V, includes one 10 x 10 mm cuvette holder
83058-18	Jenway 7315	Advanced UV/Visible Spectrophotometer; 90 to 264 V, includes one 10 x 10 mm cuvette holder

AVAILABLE ACCESSORIES

Part Number	Product Name	Description
Accessories		
83070-39	Jenway 660-101	Internal Printer
83058-94	Jenway 735-001	Dust cover
High-Throughput		
83070-31	Jenway 735-401	Automatic Turet, 8 Cell
83070-33	Jenway 735-201	Sipper Pump
83070-35	Jenway 735-301	Electronic Peltier Cuvette Holder
83070-37	Jenway 735-701	Combination Sipper-Peltier Pump
Temperature Control		
83070-51	Jenway 736-201	Cuvette Holder; Water Heated, 10 mm Square
83058-95	Jenway 735-601	Boiling Tube Holder

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