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ANALYTICAL EXCELLENCE...

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UV / VIS Spectrophotometer UV/V1000 / UV/V1200

FEATURES:

- Large LCD screen (128*64)
- Pre-aligned design ensures convenient change of lamps
- SiO₂ coating optical mirror, reducing outside pollution
- Environmental Deuterium lamp
- High-class grating, hermetic light path design, ensures low stray light
- Real-time monitoring of the Deuterium- and Tungsten lamp's lifetime with advanced system
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- Optional PC software to expand applications to Quantitative, Multi-Wavelength and Kinetics
- Widely used in the fields of organic chemistry, life sciences, food, medicine and health, agriculture, geology, metallurgy and environment etc.



BASIC FUNCTIONS:

- Photometry
Test Abs, Transmittance by fixed wavelength
- Quantitative
 - a. C Mode: Establish $C=K*A$ curve, test sample concentration
 - b. F Mode: Establish $A=K1*C+K0$, test sample concentration
 - c. Display and save curve, test data (MA-V1200)

Photometry Mode

WL: 546.0			
T: 100.0			
A	T	C	F

Con. Test $C=K*A+B$

WL: 546.0			
C: 10C			
A	T	C	F

MODEL SPECIFICATIONS:

Model	MA-UV1000	MA-V1000	MA-UV1200	MA-V1200
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	200~1100nm	325~1100nm	195~1100nm	320~1100nm
Spectral Bandwidth	4nm			
Wavelength Accuracy	±1.8nm		±1.0nm	
Wavelength Repeatability	±0.5nm			
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.5% T (0~100% T)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100%T)			
Stray Light	≤0.2% T @ 360nm; 220nm (UV)		≤0.2% T @ 360nm (V)	
Stability	±0.002A/h @ 500nm			
Noise	±0.001A			
Display	LCD (128*64)			
Photometric Mode	T, A, C, E			
Photometric Range	0~200%T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane keypad			
Output	Parallel print, USB 1.0			
Standard Accessories	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cm quadruple cuvette holder*1	1cm glass cuvette*4, 1cm quadruple cuvette holder*1	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cm quadruple cuvette holder *1	1cm glass cuvette*4, 1cm quadruple cuvette holder*1
Optional Accessories	General application software, 1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, Deuterium lamp, Tungsten lamp, quadruple cuvette holder, 4-slot water bath type constant temperature absorption pool, printer, X-Y adjustable micro absorption pool, single bath type constant temperature absorption pool			
Power Supply	110/220V±10%, 60/50Hz			
Package Size (W*D*H*) mm	560*430*320	560*430*320	560*430*320	560*430*320
Gross Weight (kg)	12	11.5	12	11.5