

Micro-volume UV/VIS Spectrophotometer

Features:

- * LCD display.
- * Microscale sample test, minimum 0.2 μ l.
- * Unique design sample holder, could test small amount DNA and protein.
- * Ultramicro and cuvette dual platform.
- * More accuracy, no light loss in whole test process.



Technical Parameters:

Model	BK-CW500
Minimum Sample Capacity	0.2 μ l
Ultramicro Optical Distance	0.5mm
Detectable Concentration Range	2.5~7500ng/ μ l(dsDNA)
Min Precise Detect Concentration	10ng/ μ l (dsDNA)
Max Precise Detect Concentration	5000ng/ μ l (dsDNA)
DNA reproducibility	< \pm 1.0 % (dsDNA, @ 1000ng/ μ l)
Wavelength Range	190~1100nm
Spectral Bandwidth	4nm
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Accuracy	\pm 0.5nm
Wavelength Repeatability	0.3nm
Max Scanning Speed	3000nm/min
Photometric Accuracy	\pm 0.5%T or \pm 0.004A @ 1A
Photometric Range	0~200%T, -0.3~0.3A, 0~9999Conc
Stray Light	0.05%T @ 220, 340nm
Stability	\pm 0.0008A/h @ 500nm
Baseline Flatness	\pm 0.002A
Light Source	Halogen & Deuterium lamp
Output	USB Print and data output, Connect PC
Power Supply	AC110/220V \pm 10%, 50/60Hz
Package Size(W*D*H)mm	491*365*180
Gross Weight(kg)	14

Micro-volume UV/VIS Spectrophotometer

Application:

Micro-Volume Spectrophotometer is used for quantitative and qualitative research by spectrophotometry. It is usually used in quantitative research of nucleic acid, proteins and bacterial concentration.



Features:

- * Microscale sample test, minimum 0.5 μ l.
- * Ultramicro and cuvette dual platform (Only for BK-CW2000).
- * Wide test area, 100 times of the traditional spectrophotometer.
- * Most samples don't need dilute.
- * Test directly without warming up, do not need detection container, lower daily consumption.
- * PC control, more accurate and flexible.

Technical Parameters:

Model	BK-CW1000	BK-CW2000
Minimum Sample Capacity	0.5 μ l	
Ultramicro Optical Distance	1mm/0.2mm	1mm/0.2mm/0.05mm
Cuvette Optical Distance	/	10mm/5mm/2mm/1mm
Whole Wavelength	190~1100nm	
Scanning Wavelength	190~850nm	
Wavelength Accuracy	1nm	
Wavelength Resolution	\leq 0.3nm (FWHM @ Hg 253.7nm)	
Absorbance Accuracy	2% (0.76 @ 257nm)	
Absorbance Resolution	0.002Abs (1mm)	
Absorbance Area	0.02~80 (10mm)	0.005~80 (10mm)
Test Accuracy	0.1~5 Abs. \pm 0.1 Abs 5~80 Abs. \pm 2%	0.01~0.5 Abs. \pm 0.01Abs 0.5~80 Abs. \pm 2%
Test Time	5s	
Detector	3648 pixel linear CCD array	
Light Source	Mini HID	
Sample Test Platform Material	304 stainless steel and quartz	
Standard Accessories	• Driver software CD 1 pc	• Power line 1 pc • Power Adapter 1 pc
Consumption	24W	
Power Supply	AC110/220V \pm 10%, 50/60Hz	
External Size(W*D*H)mm	200*130*136	
Package Size(W*D*H)mm	310*310*310	
Net Weight(kg)	2.5	
Gross Weight(kg)	5	

Spectrophotometer

UV/VIS Spectrophotometer

Basic Functions:

Model	Optical System	Wavelength Range	Bandwidth	Photo-metry	QTY	MULT	KINS	Scanning	Bio
BK-V1000	Single Beam	325-1020nm	4nm	•					
BK-UV1000	Single Beam	200-1020nm	4nm	•					
BK-V1200	Single Beam	325-1020nm	4nm	•	•				
BK-UV1200	Single Beam	200-1020nm	4nm	•	•				
BK-V1600	Single Beam	320-1100nm	4nm	•	•	•			
BK-UV1600	Single Beam	190-1100nm	4nm	•	•	•	•		
BK-V1800	Single Beam	320-1100nm	2nm	•	•	•	•		
BK-UV1800	Single Beam	190-1100nm	2nm	•	•	•	•		
BK-V1900	Single Beam	190-1100nm	2nm	•	•	•	•	•	•
BK-UV1900	Single Beam	190-1100nm	2nm	•	•	•	•	•	•
BK-S360	Single Beam	190-1100nm	1.8nm	•	•	•	•	•	•
BK-S380	Single Beam	190-1100nm	1nm	•	•	•	•	•	•
BK-S390	Single Beam	190-1100nm	0.5, 1, 2, 4, 5nm	•	•	•	•	•	•
BK-D560	Double Beam	190-1100nm	1.8nm	•	•	•	•	•	•
BK-D580	Double Beam	190-1100nm	1nm	•	•	•	•	•	•
BK-D590	Double Beam	190-1100nm	0.5, 1, 2, 4, 5nm	•	•	•	•	•	•

UV/VIS Spectrophotometer



Features:

- * Large LCD screen (128*64 Dots).
- * Pre-aligned design ensures the user can change lamps conveniently.
- * With SiO₂ coating optical mirror, reducing the pollution from outside fully.
- * Environmental Deuterium lamp, preventing from Ozone inhalation.
- * High-class grating, wholly hermetic light path design, ensures the super low stray light.
- * Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system.
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically.
- * Optional PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics.
- * Widely used for Organic chemistry, Inorganic chemistry, Life sciences, food, Medicine and health, Agriculture, Geology, Metallurgy and Environment etc. fields.

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 (BK-V1200).

WL: 546.0	T: 100.0
A	T

WL: 546.0	C: 1.0C
A	T

Technical Parameters:

Model	BK-UV1000	BK-V1000	BK-UV1200	BK-V1200
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	200~1020nm	325~1000nm	200~1020nm	320~1020nm
Spectral Bandwidth	4nm			
Wavelength Accuracy	±2nm			
Wavelength Repeatability	1nm		0.8nm	
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		≤ 0.2% T @ 360nm; 220nm	
Stability	± 0.004A/h@500nm		±0.002A/h@500nm	
Noise	±0.001A			
Display	128*64 Dots LCD			
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			
Standard Accessories	10mm glass cuvette*4 units 10mm quartz cuvette*2 units	10mm glass uvette*4 units	10mm glass cuvette*4 units 10mm quartz cuvette*2 units	10mm glass uvette*4 units
Optional Accessories	4-place Cell holder, Printer, Test tube holder, Deuterium lamp, Halogen lamp			
Power Supply	110/220V±10%, 60/50Hz			
Package Size(W*D*H) mm	560*430*320		560*430*320	
Gross Weight(kg)	12		11.5	

UV/VIS Spectrophotometer

Features:

- * With SiO2 coating optical mirror, reducing the pollution from outside fully
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- * With GLP self-check function, check the wavelength accuracy and Photometry accuracy
- * PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics, Spectrum Scanning, DNA/Protein test for PC Series



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Kinetics**
Used for time course scanning or reaction rate calculations. $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most
- * **Quantitative**
Linear fit and Linear fit through zero two modes
 - Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
 - Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings
 - Can save 240 group curves, can test 240 data in each curve.
 - Double wavelength, Triple wavelength test functions.

Technical Parameters:

Model	BK-UV1800 BK-UV1800PC	BK-UV1600 BK-UV1600PC	BK-V1800 BK-V1800PC	BK-V1600 BK-V1600PC
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190~1100nm		320~1100nm	
Spectral Bandwidth	2nm	4nm	2nm	4nm
Wavelength Accuracy	±0.5nm			
Wavelength Repeatability	±0.3nm			
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	≤ 0.05% T @ 360nm; 220nm		≤ 0.05% T @ 360nm; 220nm	
Stability	±0.001A/h @ 500nm			
Baseline Flatness	±0.002A			
Noise	±0.0005A			
Display	480*272 65 thousand true color TFT LCD			
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	USB Print and data output, Connect PC			
Standard Accessories	10mm glass cuvette*4 units 10mm quartz cuvette*2 units		10mm glass uvette*4 units	
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketed cell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		4-place Cell holder, Printer, Test tube holder, Deuterium lamp, Halogen lamp	
Power Supply	AC110/220V±10%, 60/50Hz			
Package Size(W*D*H)mm	620*500*370	620*500*370	620*500*370	620*500*370
Gross Weight(kg)	18	18	16.5	16.5

Scanning UV/VIS Spectrophotometer

Features:

- * With SiO2 coating optical mirror, reducing the pollution from outside fully
- * Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- * With GLP self-check function, check the wavelength accuracy and Photometry accuracy
- * Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Quantitative**
Linear fit and Linear fit through zero two modes
 - Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
 - Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings.
 - Can save 240 group curves, can test 240 data in each curve.
 - Double wavelength, Triple wavelength test functions.
- * **Kinetics**
Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.
- * **Scanning**
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- * **Biology**
6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

Technical Parameters:

Model	BK-UV1900 BK-UV1900PC	BK-V1900 BK-V1900PC
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190~1100nm	320~1100nm
Spectral Bandwidth	2nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	±0.3nm	
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	≤ 0.05% T @ 360nm; 220nm	
Stability	± 0.0008A / h @ 500nm	
Baseline Flatness	±0.002A	
Noise	0.0005Abs @ 500nm	
Display	480*272 65 thousand true color TFT LCD	
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	USB Print and data output, Connect PC	
Standard Accessories	10mm glass cuvette*4 units 10mm quartz cuvette*2 units	10mm glass uvette*4 units
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketed cell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system	
Power Supply	AC110V/220±10%, 60/50Hz	
Package Size(W*D*H)mm	620*500*370	620*500*370
Gross Weight(kg)	18	16.5

Scanning UV/VIS Spectrophotometer

Features:

- * Environmental Deuterium lamp, preventing from Ozone inhalation
- * Socket-Type Deuterium lamp and Tungsten lamp
- * SiO₂ coating optical mirror, reduces the influence from outside
- * GLP self-check function: check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings.
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.
- * **Kinetics**
Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.
- * **Scanning**
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- * **Biology**
DNA/Protein, (Optional: UV, Lowry, BCA, CBB and Biuret)

Technical Parameters: www.biobase.cc / www.meihuatrade.com

Model	BK-S360	BK-S380	BK-S390
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.1% T (0~100% T)		
Stray Light	≤0.04% T @ 360nm; 220nm		
Stability	±0.001A/h @ 500nm		
Baseline Flatness	±0.0015A		
Noise	±0.0004Abs		
Display	65 thousand true color 7 inch TFT LCD (480*800)		
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	USB Print and data output, Connect PC		
Standard Accessories	10mm glass cuvette *4 units 10mm quartz cuvette *2 units, software		
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketed cell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

Double Beam Scanning UV/VIS Spectrophotometer

Features:

- * Environmental Deuterium lamp, preventing from Ozone inhalation
- * Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp
- * Socket-Type Deuterium lamp and Tungsten lamp
- * GLP self-check function: check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- * SiO₂ coating optical mirror, reduces the influence from outside



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters setting
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.
- * **Kinetics**
Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.
- * **Scanning**
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- * **Biology**
6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

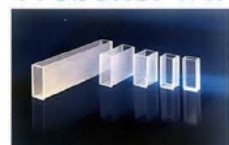
Technical Parameters: www.biobase.cc / www.meihuatrade.com

Model	BK-D560	BK-D580	BK-D590
Optical System	Double Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% 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	≤0.04% T @ 360nm; 220nm		
Stability	±0.0003A/h @ 500nm		
Baseline Flatness	±0.0005A		
Noise	±0.0002Abs		
Display	65 thousand true color 7 inch TFT LCD(480 *800)		
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	USB Print and data output, Connect PC		
Standard Accessories	10mm glass cuvette *4 units 10mm quartz cuvette *2 units, software		
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketed cell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

UVVIS Spectrophotometer Accessories



Standard Type Quartz Cuvette



Quartz cuvette 200/2700nm



SS/Q(With Stopper)



S/Q (With LID)

Features:

- * Two polished windows, two walls, and an open top.
- * The walls and bottom are polished inside and frosted outside.
- * Thickness of windows and the base is 1.25mm.
- * Teflon or glass lid and stopper.

Technical Parameters:

Type	Path Length(mm)	External Size(W*D*H)mm	Volume(ml)	NO. of LID	NO. of Stoppers
S/Q/1	1	12.5*3.5*45	0.4	1	/
S/Q/2	2	12.5*4.5*45	0.7	1	/
S/Q/5	5	12.5*7.5*45	1.7	1	/
S/Q/10	10	12.5*12.5*45	3.5	1	/
S/Q/20	20	12.5*22.5*45	7.0	1	/
S/Q/40	40	12.5*42.5*45	14.0	1	/
S/Q/50	50	12.5*52.5*45	17.5	1	/
S/Q/100	100	12.5*102.5*45	35.0	1	/
SS/Q/1	1	12.5*3.5*48	0.4	/	1
SS/Q/2	2	12.5*4.5*48	0.7	/	1
SS/Q/5	5	12.5*7.5*48	1.7	/	1
SS/Q/10	10	12.5*12.5*48	3.5	/	1
SS/Q/20	20	12.5*22.5*48	7.0	/	1
SS/Q/40	40	12.5*42.5*48	14.0	/	1
SS/Q/50	50	12.5*52.5*48	17.5	/	2
SS/Q/100	100	12.5*102.5*48	35.0	/	2

Flame Spectrophotometer

It is an analytical instrument based on emission spectrum principle, using the thermal energy of flame to make the certain element motivate luminescence to analyze the content of certain element in the material, widely used in the analysis and determination of agricultural fertilizer, soil, cement, ceramics and silicate industry and pathological studies of health care etc.

Features:

- * USB Interface(Except BK-FP640)
- * LPG as burning gas
- * Direct concentration read-out
- * Measuring range adjustable
- * 7 inch LCD touch screen
- * Automatic Calculation of correlation coefficient(Except BK-FP640)
- * Pre-selection of flame sizes
- * Flameout protection device



Technical Parameters:

Model	BK-FP640	BK-FP6410	BK-FP6430	BK-FP6431	BK-FP6440	BK-FP6450
Sensitivity	K	0.01ppm	/	/	/	/
	Na	0.01ppm	/	/	/	/
	Li	/	0.01ppm	/	/	0.1ppm
	Ca	/	/	/	2ppm	2ppm
Range	K	0~100ppm	/	/	/	6ppm
	Na	0~160ppm	/	/	/	/
	Li	/	/	0~100ppm	/	0~100ppm
	Ca	/	/	/	0~1000ppm	0~1000ppm
Linearity	K	0.195ppm (0.39~3.12) ppm	/	/	/	0.3000ppm
	Na	0.69ppm (1.15~9.2) ppm	/	/	/	/
	Li	/	/	0.15ppm(0.25~5)ppm	/	0.15ppm(0.25~5)ppm
	Ca	/	/	/	3ppm(5~100)ppm	3ppm(5~100)ppm
Linearity Error	K	≤0.195ppm	/	/	/	9ppm
	Na	≤0.69ppm	/	/	/	/
	Li	/	/	≤0.147ppm	/	≤0.147ppm
	Ca	/	/	/	≤3ppm	≤3ppm
MDL	K	≤0.156ppm	/	/	/	≤9.042ppm
	Na	≤0.184ppm	/	/	/	/
	Li	/	/	≤0.105ppm	/	≤0.105ppm
	Ca	/	/	/	≤2ppm	≤2ppm
Repeatability	1% CV for 20 consecutive samples					
Response Time	<8s					
Sample Uptake	<6ml/min					
Ambient Temp	10°C~35°C					
Humidity	≤85%					
Power Supply	AC110/220V±10%, 60/50Hz					
Consumption	250W					
Standard Accessory	Air compressor					
Package Size	580*540*400mm, 18kg					

Fluorescence Spectrophotometer

Applications:

Fluorescence analysis can provide information including excitation and emission spectrum, emission light intensity and measurement of life of emission light and polarization fluorescence etc and a wide lineal range of working curve.

This method has been used in: Medical science and clinical ,Pharmaceutical science and pharmacology,Biochemistry ,Food industry, Pollution and Organic and inorganic chemistry.



Features for BK-F96PRO:

- * Two operation modes fluorescence intensity and luminous intensity.
- * 365nm exciting wavelength, Raman peak of water S/N ≥ 150 .
- * 10 stages emission spectrum scanning.
- * Support off-line mode and on-line mode.

Features for BK-F93 :

- * 1200 line diffraction grating emission monochromator.
- * LED is a cold-light source with longevity, lower background & reliability, prevent from thermo-pollution.
- * Automatic zero adjustment and automatic background subtraction.
- * Eight stage sensitivity adjustment, Real time fluorescence value display and concentration print out.,Extra wide dynamic range of fluorescence value ensures accurate measurement of minute changes in micro samples.

Technical Parameters:

Model	BK-F96PRO	BK-F93
Light Source	Hamamatsu 150W Xenon lamp	LED
Excitation Wavelength	Interference optical filter a) Standard set is equipped with an interference optical filter of central wavelength at 365nm and 10nm bandwidth b) An optional interference optical filter of 25mm diameter of wavelength of 250~700nm can be provided on users demand.	LED options a) Standard set includes LED at wavelength 365nm b) The A set includes LED wavelength at 365nm, 376nm, 392nm, 405nm c) Customizable wavelength from 360nm to 600nm
Emission Monochromator	C-T diffraction grating (Em 200~900nm, bandwidth 10nm)	360~650nm (C-T diffraction grating)
Wavelength Accuracy	± 1 nm	± 2 nm
Wavelength Repeatability	≤ 0.5 nm	≤ 1 nm
Sensitivity	Raman peak of water in 1 cm quartz fluorescence cuvette with S/N ≥ 150	1×10^{-9} g/ml (Standard aqua of the sulfuric acid Quinine, 12nm bandwidth)
Linear Measurement(r)	≥ 0.995	
Stability	better than 1.5%/10min	better than 3%/10min
Response Time	(0.1~4)s, 6 stages adjustable	(0.1~4)s
Fluorescence Display Value	0.00~600.00	0.00~250.00
Power Supply	AC110/220V $\pm 10\%$, 60/50Hz	
Package Size(W*D*H)mm	550*510*365	450*420*280
Gross Weight(kg)	14	9
Standard Accessories	365nm filter(Preassembled), 1 pc F96PRO software package, 1 pc USB interface, 1 pc Quartz fluorescence sample cell10mm, 1 pair	RS232 serial port, Glass fluorescence cuvette 10mm 1 pair
Optional Accessories	Fuses(2A/5A), 200-700nm interference optical filter ($\phi 25$ mm) Quartz fluorescence sample cell10mm Multi-function fluorescent sample rack holder, Membrane sample rack, Powder sample rack, Sample cell jacket, Octave Filters 200uL microcentrifuge tube accessory Upconversion fluorescent accessory	Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette10mm Optional LED A Set includes: 365nm, 376nm, 392nm, 405nm

BK-AA4530F Atomic Absorption Spectrophotometer



Standard Accessories:



Oil free air compressor



PC Workstation



Printer

Features:

- * Completely controlled by PC, can flexibly select the flame and graphite furnace atomizer (optional).
- * Integrated floated optical platform design improves the optical system shock resistance stable.
- * Eight light stands can be changed automatically and preheat the eight lights meantime as well as optimize the working condition of the hollow cathode lamp.
- * Position adjusting: the flame burner can be set on the best position automatically.
- * Fully automated wavelength scanning and peak searching.
- * Complete safety chains protection equipment: warning and automatic safety protection for the wrong burner connection, leakage of the gas, under voltage of air and the abnormal flameout.
- * Deuterium lamp and self-absorption background calibration.
- * Measuring method: flame absorption method and emission method.
- * Result printing: parameter, data result and diagram.
- * Data processing: more than 500 data self-storage and cut-off storage, the analyzed result is stored in EXCEL format.

Technical Parameters:

Model	BK-AA4530F
Wavelength Range	190~900nm
Wavelength Accuracy	±0.15nm
Wavelength Receptivity	≤0.04nm
Base Line Stability	≤0.002A/30min (Cu)
Characteristic Concentration	0.02μg/ml/1% (Cu)
Detection Limit	0.004μg/ml (Cu)
Measurement Repeatability	≤0.5%
Grating	1800 lines/mm
Inflamer	All-metal titanium burner
Atomizer	Efficient glass atomizer
Lamp Stand	8
D2 background Calibration	When the background is 1 A, the background ability should be deducted not less than 50 times; self absorption background deduction method
Power Supply	220V/50Hz
Packing Size(W*D*H) mm	850*700*750 (Main instrument); 950*620*1020 (Accessories)
Gross Weight(kg)	105 (Main instrument); 100 (Accessories)
Standard Accessories	PC workstation; HP inkjet printer; Oil free Air compressor; Acetylene reducing valve; Cu Hollow cathode lamp; Air filter
Optional Accessories	Graphite Furnace; Hollow cathode lamp(Ag, Au, Ba, Ca, Cd, Cr, Fe, Hg, K, Li, Mg, Mn, Na, Ni, Pb, Zn, Sb, etc)

Flame System:

Acetylene Air Burner	100mm
Ignition Dynamic Baseline Drift	≤0.006A/30min
Characteristic Concentration	≤0.025μg/ml/1%(Cu)
Related Standard Deviation of the Accuracy	≤0.5%(Cu, absorbance>0.8A) (detection limit Cu≤0.008μg/ml)
Safety System	Can automatically cut off the gas when the pressure is not enough, the power is off, flameout and unconformity of the burner.

Graphite Furnace(Optional):

Max. Temperature	3000°C
Max Heating Speed	≥2000°C/S
Characteristic Quantity	Cd≤0.5*10 ⁻¹² g Cus≤0.5*10 ⁻¹¹ g
Accuracy	Cu≤3% Cd≤3%
Safety System	Over current protection Low air pressure alarm/protection; Low cooling water flow alarm/protection
Power Supply	220V/50Hz
Consumption	7000W
Packing Size(W*D*H) mm	550*450*300
Gross Weight(kg)	65

BK-AA320N Atomic Absorption Spectrophotometer



Oil free air compressor
(standard accessories)



Features:

- * Build-in computer data processing and LCD display.
- * **Stability:** Double-beam system can automatically compensate the light source drift and wavelength drift caused by the variation of temperature and electronic circuit drift.
- * **Quickly:** The cathode lamp needs not be pre-heated for long time and sample can be analyzed immediately.
- * **High precision of measurement:** Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration.
- * **High energy optical path.**
- * **Long-life and anti-corrosive atomization system.**
- * **Multi-functional analysis mode:** ① flame absorption, ② flame emission, ③ graphite furnace atomic absorption, ④ hydride generation.
- * **Safe and reliable gas path system:** Special devices of quick gas conversion and safety protection can be used to analyze air-acetylene flame and extend the analytic elements to reach more than 60.

Technical Parameters:

Model	BK-AA320N
Wavelength Range	190-900nm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤ 0.3nm (single direction)
Spectral Bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Resolution	<40%
Base Line Stability	±0.004Abs/30min
Characteristic Concentration	≤ 0.04µg/ml/1% (Cu)
Detection Limit	≤0.008µg/ml (Cu)
Background Calibration	> 30 times
Power Supply	220V/50Hz
Package Size(W*D*H) mm	1250*800*750 (Main instrument), 550*460*1350 (Accessories)
Gross Weight(kg)	150kg (Main instrument), 50kg (Accessories)
Standard Accessories	RS232 serial port, Oil-free air compressor, Glass Atomizer, Cu Hollow cathode lamp, Atomizer unit Burner unit Dust cover, Water-separating gas filter, Titanium burner-10cm
Optional Accessories	Printer, Software, Model GA3202 HGA graphite furnace system, Hydride generator, Graphite tubes, Recirculating cooling water system, Hollow cathode lamp(Ag, Au, Ba, Ca, Cd, Cr, Fe, Hg, K, Li, Mg, Mn, Na, Ni, Pb, Zn, Sb, etc)

NIR Spectrophotometer

NIR spectrophotometer, mainly used for liquid samples qualitative and quantitative analysis, applies to gasoline, drinks, milk and other areas of nutrients, water chemistry and other physical properties of the rapid non-destructive analysis determination.

Features:

- * Single-channel whole spectrum scanning.
- * Fast scan, wavelength calibrates time from 900nm to 1700nm less than 2 minutes.
- * Built in SCM technology, auto zero adjustment and auto background subtraction.



Technical Parameters:

Model	BK-S410
Wavelength Accuracy	±1nm
Wavelength Reproducibility	≤1nm
Wavelength Scanning Interval	4nm or 8nm or 16 nm
Wavelength Range	1000-1800nm
Absorbance Reproducibility	0.002A (at 0.4A)
Signal to Noise Ratio	≥103 (at 1500nm)
Scanning Time	≤2mins
Standard Accessories	1cm quartz square sample cell, 1cm cell holder
Optional Accessories	Laptop
Optical System	Grating monochromator
Detector	InGaAs
Interface	RS232 serial port
Power Supply	110/220V±10%, 60/50Hz
Packing Size	830*570*500mm, 12kg

Microcirculation Microscope

Application:

Microcirculation microscope is used the early diagnosis, guide treatment and observation for varies diseases including cardiovascular, diabetes, hypertension, stroke, rheumatoid arthritis, etc.It is widely used in medicine, health care products, human health consulting, beauty care and other fields. It is also used for individual microcirculation monitoring



Technical Parameters:

Model	WXH-8	WXH-10	WXH-12
Magnification	400X	480X	550X
Display Size(mm)	161*121	204*153	185*240
Objective	10X		
Focus System	Coaxial coarse/ Slightly adjusted, Z axis movement, Mechanical upper and lower limits		
Stage	360°revolve, X,Y axis movement ,moving range 30*80mm		
Illumination	LED illumination with high brightness and lower consumption, new luminaire with lower temperature and 10,000-200,000h working life, 90°revolve left and right		
Power Supply	12V		
Camera	Color camera system, HD LCD display		
Standard Accessory	Aluminum box,Display screen, Power cable, Asphalt, Manual, Flip chart, Microcirculation flattery, Teaching CD		
Optional	Software driven, Acquisition card, Dongle, AV cable etc.		
Package Size(mm)	270*340*380	300*380*380	
Gross Weight(kg)	5.5	7	

Refractometer

Application:

BK-R670 Automatic Refractometer includes high-performance CCD light-sensitive part, can accurately and efficiently process sample analysis tests through unique signal acquisition, analysis and processing technology.



Features:

- * Cloud service system, connecting cloud database with instruments;
- * 7" LCD touch screen and innovative WINDOWS software interface
- * 2 USB ports, RS232 port and internet port for connecting printer or internet, U disk and SD card port for data exporting.
- * Perfect measuring prism
Measuring prism is made of high hardness sapphire glass, of excellent properties against corrosion and scratches, free for clean and durable.
- * Ultra long life light source
It adopts High brightness LED lights with service life exceeding 100000 hours
- * Auto temperature control system
It adopts Peltier temperature control system, make sure the whole testing with accuracy and constant temperature.

Technical Parameters:

Model	BK-R670
Refractive Index Measuring Range	1.30000~1.70000nD
Measuring Error	±0.0001nD
Measuring Resolution	0.0001/0.00001nD(Optional)
Brix Measuring Range	0~100%
Measuring Error (Brix)	±0.1%
Measuring Resolution (Brix)	0.1%/0.01%(Optional)
Temperature Control Mode	Peltier temperature controller
Temperature Display Range	10~85°C
Temperature Control Range	5~70°C
Temperature Control Accuracy	±0.05°C
Interface	RS232, USB, Ethernet interface
Data Storage Capacity	4G
Display	7" TFT LCD touch screen
Consumption	45W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)	365*300*150mm
Package Size(W*D*H)	480*410*310mm
Gross Weight	10kg

ABBE Digital Refractometer

Features for BK-RZT:

- * Full automatic measuring
- * Touch Screen
- * LCD temperature display, automatic correction and saving the data
- * Standard RS232 and USB interface



BK-RZT

Features for BK-R2S:

- * Hard glass prism
- * Standard RS232 interface
- * Measure the Brix of sugar solution
- * Visual aim and LCD display
- * Automatic correcting of the effect of temperature on the Brix
- * Measuring refractive index nD of transparent or translucent liquid and solid substances.



BK-R2S

Technical Parameters:

Model	BK-RZT	BK-R2S
Measuring Range	1.30000~1.70000nD Brix: 0-100%	1.3000~1.7000nD Brix: 0-100%
Measuring Resolution	±0.0001nD Brix: 0.01%	±0.0001nD
Measuring Accuracy	±0.0002nD Brix: ±0.1%	±0.0002nD Brix: ±0.1%
Test Mode	8	/
Temperature Control Range	RT ± 10°C	0~50 °C
Temperature Resolution	0.1°C	
Temperature Accuracy	0.5°C	
Interface	RS232, USB	RS232
Display	7" LCD touch screen	LCD
Prism	Sapphire glass	Hard glass
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	340*200*110mm	210*110*310mm
Package Size(W*D*H)	501*331*216mm	370*240*470mm
Gross Weight	4kg	12kg

Portable Refractometer

Application:

- Low Range:** fruit juice, tomato juice, cola and most kinds of beverage
- Middle Range:** concentrated fruit juice, canned food, sugar solution inclusions, sauce, ketch up, seasoning and many kinds of industry fluids
- High Range:** liquid sugar, honey etc.



They can be used for industry fluid testing, such as for vegetable oils, industry, and many other chemical liquids or laboratory use fluids

Technical Parameters:

	Model	Range	Minimum Scale	Package Size(W*D*H)	Gross Weight
Brix	BK-PR5	0~5%	0.1%	155*25*40mm	0.15kg
	BK-PR10	0~10%	0.1%		
	BK-PR18	0~18%	0.1%		
	BK-PR20	0~20%	0.1%		
	BK-PR32	0~32%	0.2%		
	BK-PR50	0~50%	0.5%		
	BK-PR60	0~60%	0.5%		
	BK-PR62	28~62%	0.2%		
	BK-PR82	45~82%	0.5%		
	BK-PR92	58~92%	0.2%		
Honey	BK-PRN3	58~92% Brix	0.5% Brix	155*25*40mm	0.15kg
		38~43 oBe'	0.5 oBe'		
		12~27% Water	1% Water		
Salinity	BK-PRA1	0~100‰	1‰	155*25*40mm	0.15kg
		1.000~1.070	0.005		
	BK-PRA2	0~28%	0.2%		
	BK-PRA3	0~35%	0.5%		
	BK-PRA4	0~40 PPT	1‰		
	BK-PRS1	0~100‰ Salinity	1‰		
		1.000~1.070	0.005		
	BK-PRS2	0~10% Brix	0.1%		
0~28% Salinity		0.2%			

Portable Digital Refractometers

Features:

- * Wide choice-over 20 models available
- * Automatic temperature compensation
- * Automatic power management



Technical Parameters:

Model	Scale	Range	Division	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size (W*D*H)mm	G.W. (kg)
PDR-35	Brix (%)	0~35%	0.1	±0.2	0°C~40°C (32°F~104°F)	±0.5°C(1°F)	2 x AAA (1.5V)	180*100*60	0.5
	Refract Index	1.3330~1.3900	0.0001	±0.0003					
PDR-45	Brix (%)	0~45%	0.1	±0.2					
	Refract Index	1.3330~1.4098	0.0001	±0.0003					
PDR-65	Brix (%)	28~65%	0.1	±0.2					
	Refract Index	1.3770~1.4535	0.0001	±0.0003					
PDR-92	Brix (%)	58~92%	0.1	±0.2					
	Refract Index	1.4370~1.5233	0.0001	±0.0003					
PDR- HN1	Brix (%)	58~92%	0.1	±0.2					
	° B, e	38~43	0.1	±0.1					
	Water (IHC2002)	13~25	0.1	±0.1					
	Refract Index	1.4370~1.5233	0.0001	±0.0003					
PDR- HN2	Brix (%)	58~92%	0.1	±0.2					
	° B, e	38~43	0.1	±0.1					
	Water (IHC2002)	17~27	0.1	±0.1					
	Refract Index	1.4370~1.5233	0.0001	±0.0003					
PDR-A1	salinity	0~28%	0.1	±0.2					
	Refract Index	1.3330~1.3900	0.0001	±0.0003					
PDR-S1	Brix (%)	0~35%	0.1	±0.2					
	salinity	0~28%	0.1	±0.2					
PDR-S1	salinity	0~28%	0.1	±0.2					
	Refract Index	1.3330~1.3900	0.0001	±0.0003					
PDR- WN1	MASS SW(%)	0~35%	0.1	±0.2					
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	0~150	1	±1					
	KMW	0~25	0.1	±0.1					

Technical Parameters:

Model	Scale	Range	Division	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size (W*D*H)mm	G.W. (kg)
PDR-WN2	MASS SW(%)	0~35%	0.1	±0.2	0°C~40°C (32°F~104°F)	±0.5°C(1°F)	2 x AAA (1.5V)	180*100*60	0.5
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	30~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-WN3	MASS SW(%)	0~35%	0.1	±0.2					
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Switzerland)	0~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-R1	URINE SP.G	0~12g/dl	0.1	±0.1					
	Refract Index	1.3330~1.3900	0.0001	±0.0003					
PDR-R2	SERUM P. (g/dl)	0~14g/dl	0.1	±0.1					
	URINE SP.G (dog)	1.000~1.060	0.001	±0.001					
PDR-R2	Refract Index	1.3330~1.3900	0.0001	±0.0003					
	SERUM P. (g/dl)	0~14g/dl	0.1	±0.1					
PDR-R3	URINE SP.G (cat)	1.000~1.060	0.001	±0.001					
	Refract Index	1.3330~1.3900	0.0001	±0.0003					
PDR-L1	Alcohol	0~60%w/v	0.1	±0.3					
PDR-L2	Alcohol	0~60%w/w	0.1	±0.5					
PDR-L5	Methanol	0~60%w/w	0.1	±0.5					
PDR-K1	Soybean milk concentration	0~35%	0.1	±0.3					
PDR-C1	Glycol	32~50°F	0.1°F	±10F					
	Propanediol	32~50°F	0.1°F	±10F					
	Battery fluid	1.00~1.50sg	0.01 sg	±0.01 sg					
	Clearance	0~40°F	0.1°F	±10F					
PDR-C2	Glycol	0~50°C	0.1°C	±10C					
	Propanediol	0~50°C	0.1°C	±rc					
	Battery fluid	1.00~1.50sg	0.01 sg	±0.01 sg					
PDR-C2	Clearance	0~40°C	0.1°C	±rc					
	Glycol	0~80%	0.10%	±0.3%					
PDR-C3	Glycol	0~80%	0.10%	±0.3%					
	Propanediol	0~70%	0.10%	±0.3%					

Polarimeter



Features:

- * Automatic calibration function, to calibrate optical rotation via five standard points(BK-P810A, BK-P850A);
- * Peltier temperature control, temperature range: 15~30°C, temperature accuracy: ±0.3°C(BK-P850, BK-P850A);
- * 5.6" color touch screen for displaying and operating, WINDOWS operating interface;
- * Wide measuring range: optical rotation: ±89.99°, optical specific rotation: 259°Z.

Technical Parameters:

Model	BK-P810	BK-P810A	BK-P850	BK-P850A
Light Source	LED lamp			
Measuring Range	±89.99°, 259°Z			
Wavelength	589.3nm			
Readable Accuracy	0.001°			
Measuring Accuracy	0.02°			
Repeatability	0.002°			
Sample Transmittance	> 0.1%			
Temp. Control Range	\			Built in Peltier, 15~30°C, ±0.3°C
Test Mode	Optical rotation, optical specific rotation, concentration, sugar scale Z			
Display	5.6" color touch screen			
Data Storage Capacity	1000 sets			
Interface	RS232 or USB; Excel format and "Blue Ocean" format			
Power Consumption	250W			
Power Supply	AC220V±10%, 50Hz			
External Size(W*D*H)	708*330*287mm			
Package Size(W*D*H)	840*455*445mm			
Gross Weight	30kg		40kg	
* "A" in BK-P810A and BK-P850A mean automatic calibrate optical rotation.				

Automatic Polarimeter



Features:

- * LCD Display
- * Photoelectric test and microcomputer control.
- * Preheating is not needed. (Only for BK-P1 and BK-P2 Model)
- * Dark-colored sample can be measure. (Only for BK-P1 and BK-P2 Model)
- * Automatic repetition-measurement for 6 times, and calculation of average value and means square root
- * Sample chamber adopts constant temperature designing in order to reduce the temperature heating influence.

Technical Parameters:

Model	BK-P1	BK-P2	BK-P3
Light Source	LED lamp		Sodium lamp
Measuring range	±45°(optical rotation) / ±120° Z(sugar)		
Wavelength	589nm		
Readable Accuracy	0.001°(optical rotation)		0.001°(optical rotation) 0.01°Z(sugar)
Measuring Accuracy	±0.01°(-15°≤ optical rotation≤ +15°) ±0.02°(optical rotation < -15°or optical rotation > +15°)		±(0.01+measurement value*0.05%)°(optical rotation)
Repeatability	0.002°(optical rotation)		≤0.003°(optical rotation)
Sample Transmittance	> 1%		/
Temperature Control Range	/	15~30°C	/
Temperature Accuracy	±0.5°C		/
Test Mode	Optical rotation, specific rotation, concentration, sugar degree		
Test Tube	200mm, 100mm	200mm, 100mm, 100mm (Constant Temperature tube)	200mm, 100mm
Interface	USB&RS232		RS232
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	690*370*280mm		570*350*280mm
Package Size(W*D*H)	850*500*470mm		730*480*470mm
Gross Weight	38kg		36kg

BK-P2S Digital Automatic Polarimeter BK-P2B Automatic Polarimeter



Features:

- * LCD Display
- * Storage of three times results and calculation of average values
- * Dark-colored sample can be measured
- * Photoelectric test and automatic servomechanism control

Technical Parameters:

Model	BK-P2S	BK-P2B
Light Source	LED lamp	
Measuring Range	$\pm 45^\circ$ (optical rotation) $\pm 120^\circ Z$ (sugar)	$\pm 45^\circ$ (optical rotation)
Wavelength	589nm	
Readable Accuracy	0.001°(optical rotation) 0.01°Z(sugar)	0.002°(optical rotation)
Measuring Accuracy	$\pm(0.01 + \text{measurement value} \times 0.05\%)^\circ$ (optical rotation) $\pm(0.03 + \text{measurement value} \times 0.05\%)^\circ Z$ (sugar)	$\pm(0.01 + \text{measurement value} \times 0.05\%)^\circ$
Repeatability	$\leq 0.002^\circ$ (optical rotation)	$\leq 0.01^\circ$ (optical rotation)
Test Mode	Optical rotation, sugar degree	Optical rotation
Test Tube	200mm, 100mm	
Sample Transmittance	> 1%	> 10%
Interface	RS232	
Power Supply	AC110/220V $\pm 10\%$, 50/60Hz	
External Size(W*D*H)	570*350*280mm	
Package Size(W*D*H)	730*480*470mm	
Gross Weight	36kg	

Disc Polarimeter

Features:

- * Visual aim
- * Manual measure
- * Easy to operate



Technical Parameters:

Model	BK-P4
Light Source	Sodium lamp
Wavelength	589.44nm
Measuring Range	$-180^\circ \sim +180^\circ$
Division Value	1°
Venire Readable Accuracy	0.05°
Magnifying Factor of the Magnifying Glass	4 X
Test Tube	200mm, 100mm
Power Supply	AC110/220V $\pm 10\%$, 50/60Hz
External Size(W*D*H)	440*110*230mm
Package Size(W*D*H)	600*220*400mm
Gross Weight	7.6kg

Optional Polarimeter Accessories

- * **Micro Tube**
With sample loading capacity less than 0.8ml and length of 50mm, suitable for BK-P2S, BK-P1 automatic polarimeter.
- * **Heated Tube**
Dedicated to BK-P2, BK-P3 for the length of about 100mm, the sample loading is 1.98ml; for length of 50mm, sample loading is about 0.99ml, and the non-corrosive type is optional to purchase.
- * **Standard Quartz Tube**
The only calibration equipment for standard polarimeter and optical Brix; with stable performance, less influence by the environment, and easy-to-use features, The loading of quartz tube includes $\pm 1^\circ$, $\pm 5^\circ$, $\pm 7^\circ$, $\pm 34^\circ$ and $\pm 68^\circ$, for customer to choose accordingly.



Melting Point Apparatus

Colorless Sample Automatic Melting Point Apparatus

Application:

A melting point apparatus is a scientific instrument used to determine the melting point of a substance.

The apparatus can be widely used in the chemical industry and medicine research and is essential for the production of medicines, spices, dyes and measurement of other organic crystal substances.

Features:

- * Color VGA touch screen for operation and display;
- * Multiple levels linear temperature gradients for different samples requirements;
- * Detailed results data can be stored.



Technical Parameters:

Model	BMP120
Temperature Range	50~400°C
Temperature Accuracy	0.4°C (< 200°C); 0.7°C (≥200°C)
Display	5.6" color touch screen
Standard Capillary Size	Inside dia. 1.0mm; outside dia. 1.4mm
Temperature Gradients	0.2 ~ 5°C, total 8 levels
Capacity per Batch	1 pc
Output Interface	RS232
Consumption	150W
Power Supply	AC220V±10%; 50Hz
External Size(W*D*H)	455*312*200mm
Package Size(W*D*H)	615*485*350mm
Gross Weight	17kg

Digital Melting Point Apparatus



Features for BMP-2C/1C:

- * PID & PWM controller
- * LCD touch screen for BMP-2C/BMP-1C
- * USB & RS232 interface
- * The melting curve can be recorded automatically
- * It can calculate average value of initial and final melting points automatically

Features for BMP-1B:

- * Photoelectric test
- * LCD display
- * RS232 interface
- * Real time melting curve

Technical Parameters:

Model	BMP-2C	BMP-1C	BMP-1B
Measuring Range	RT~360°C	RT~400°C	RT~320°C
Resolution	0.1°C		
Linear heating-up Rate	0.1°C~20°C/min		0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0°C/min
Temperature Accuracy	0.4°C (≤200°C), 0.7°C (>200°C)		
Repeatability	0.3°C		
Capillary Size	φ1.4mm(outside diameter), φ1.0mm(inside diameter), 80mm (height)		
Sample Loading Height	3~5mm		>3mm
Data Storage	1000 sets		/
Optional Accessories	Printer	/	Printer
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	410*290*110mm	330*290*110mm	330*290*110mm
Package Size(W*D*H)	576*428*306mm	492*428*305mm	496*428*306mm
Gross Weight	13kg		11kg

Colorimeter



BCM-110



BCM-200

Features for BCM-110:

- * Built-in white plate parameters. No need to calibrate each time.
- * Double locating: illuminating locating and precise cross locating.
- * Switchable double measurement end face: large area stable end face and small area measurement for concave-convex end face.
- * New integrating sphere optical path design: eliminating the stray light of main optical path and auxiliary optical path.
- * Equipped with rechargeable-capacity Li-ion battery.
- * Configured CQCS3 software to realize more functions by connecting PC computer
- * Hand-head structure, small and convenient

Features for BCM-200:

- * Leading Humanity Design and Convenient Operation, Auto White and Black Calibration at Startup, Structure Design in line with Ergonomics
- * Stable Measurement Performance
- * Convenient and Fast Locating
- * PC Software -CQCS3 Software realize more function expansion.
 - a. The corresponding software serial number and password protection.
 - b. Be able to perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.
- * Advanced Power Management Design
 - a. Using high capacity Li-ion battery in colorimeter. It can be repeatedly charged.
 - b. Measuring more than 3000 times on one charge.

Technical Parameters:

Model	BCM-110	BCM-200
Illuminating/Viewing Geometry	8/d	
Measuring Aperture	Φ4mm	Φ8mm
Detector	Silicon photoelectric diode	
Color Space	CIEL*a*b*C*h* CIEL*a*b*	
Color Difference Formula	ΔE^*ab ΔL^*a^*b ΔE^*C^*h	
Light Source	D65	
Light Source Device	LED blue light excitation	
Display	TFT LCD	
Errors Between Each Equipment	$\leq 0.80\Delta E^*ab$	$\leq 0.40\Delta E^*ab$
Storage	100pcs standards, 5000pcs samples	100pcs standards, 20000pcs samples
Repeatability	Standard deviation within ΔE^*ab 0.08 Average of 30 measurements of standard white plate	
Lamp Life	3 years, more than 1 million time	5 years, more than 1.6 million time
Charging Time	8 hours-100% electricity	2 hours(8 hours for first charge)-100% electricity
Measurement Times Before Recharging	3000 times in 8 hours	
Ambient Temp./Humidity Range	-10~40°C, relative humidity 0~85% without condensation	
Data Interface	USB	
Optional Accessory	Miniature thermal printer	Universal Test Components, Powder test box, Miniature thermal printer
Power Supply	Rechargeable li-ion battery 3.7V@3200mAh	
External Size(W*D*H)	205*67*80mm	205*70*100mm
Package Size(W*D*H)	450*230*380mm	
Net Weight	0.5kg	0.45kg
Gross Weight	2.5kg	