

Portable Pulse Oximeter



BK-PO1



BK-PO2

Features:

- * Monitor SpO₂, Pulse Rate & Temperature.
- * Audio and visual alarm when the parameter range is exceeded or the sensor is off.
- * Common AA alkaline batteries, support 7 consecutive working hours(only for BK-PO1).
- * Built-in rechargeable Li-ion battery, up to 15-hour running time(only for BK-PO2).
- * Bluetooth wireless is very convenient to realize reviewing the measurements in big screen via connecting PC and to upload history data to PC for review, printing or storage (only for BK-PO2).
- * Unique software for remote monitoring via synchronous data transfer (only for BK-PO2).

Technical Parameters:

Model	BK-PO1	BK-PO2
Display	LED	LCD
SpO ₂	Patient range: adult, child and neonate	
	Measurement range: 35%~99%	0%~100%
	Resolution: 1%	
	Accuracy: 2% (70%~99%); unspecified (0%~69%)	
Pulse Rate	Measurement range: 30bpm~250bpm	0bpm~250bpm
	Resolution: 1bpm	
	Accuracy: 2bpm	
Temperature (only for BK-PO2)	Channel: 1	
	Input: body surface thermal-sensitive resistor temperature sensor	
	Range: 0°C~50°C	
	Resolution: 0.1°C	
Power Supply	Accuracy: 0.2°C	
	Common 1.5V AA alkaline batteries (only for BK-PO1)	
Standard Accessories	D.C. 3.7V/3000mAh Li-ion rechargeable battery (only for BK-PO2)	
	Oximeter main unit, Adult finger SpO ₂ sensor	Oximeter main unit, Adult finger SpO ₂ sensor, Skin surface skin TEMP probe, USB communication cable, Bluetooth radio, VSDV/Guardian/Bluetooth software disk
Package Size(W*D*H)	220*150*70mm	
Gross Weight	1.0kg	

Refractometer

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

Sample Concentrator

Features:

- * High precision and wide range of temp control.
- * Blowing a large number of samples at one time.
- * Blowing each sample independently.
- * Amount of airflow can be adjusted.
- * Easy operation; safe and reliable to use.
- * 12-month warranty.

Technical Parameters:

Model	BK-SC100
Temp. Control Range	RT.+5°C-160°C
Temp. Uniformity	±0.5°C
Display Accuracy	0.1°C
Heating Time	≤15min (from 25°C to 160°C)
Max Gas Usage	15L/min
Max Gas Pressure	0.02Mpa (Gas pin≤16pcs); 0.05Mpa (Gas pin>16pcs)
Max Power	300W
Dimension	260*220*450mm
Temp. Accuracy	±0.5°C (@40°C)
Temp. Accuracy	±1°C (@120°C)
Timing Range	1-99h59min/∞
Max Vertical Travel	200mm
Needle Length	150mm
Block Quantity	1
Voltage	220V 50/60Hz
Packing Size(W*D*H)	430*420*340mm
Weight(kg)	7.0
Gross Weight(kg)	9.0

Sample Concentrator(visible)

Features:

- * High precision and wide range of temp control.
- * Blowing a large number of samples at one time.
- * Blowing each sample independently.
- * Amount of airflow can be adjusted.
- * With special slotting-design block, surface location of.
- * Concentrated samples can be observed.
- * Easy operation; safe and reliable to use.

Technical Parameters:

Model	BK-SC400
Temp. Control Range	RT.+5°C-160°C
Temp. Uniformity	±0.5°C
Display Accuracy	0.1°C
Heating Time	≤15min (from 25°C to 160°C)
Nitrogen Flow Rate	15L/min
Nitrogen Pressure	0.1Mpa
Max Power	500W
Dimension	260*220*475mm
Temp. Accuracy	±0.5°C (@40°C)
Temp. Accuracy	±1°C (@120°C)
Timing Range	1min-99h59min/∞
Needle Length	150mm
Block Quantity	1
Voltage	AC220V or AC110V, 50/60Hz
Packing Size(W*D*H)	430*420*340mm
Weight(kg)	7.3
Gross Weight(kg)	10.0



Optional Blocks:

Type	Test Tube Diameter	Capacity
B03	10mm	12
B04	12mm	12
B05	13mm	12
B06	15mm	12
B07	16mm	12
B08	19mm	12
B09	20mm	12
B10	26mm	8
B11	28mm	4
B12	40mm	3
B15	1.5ml (centrifuge tube)	24
B16	2.0ml (centrifuge tube)	24



Optional Blocks:

Type	Diameter	Depth	Capacity
B02 027 001	10.5mm	50mm	12
B02 027 002	12.5mm	50mm	12
B02 027 003	13.5mm	50mm	12
B02 027 004	15.5mm	50mm	12
B02 027 005	16.5mm	50mm	12
B02 027 006	19.5mm	50mm	12
B02 027 007	20.5mm	50mm	12

Leakage Tester

Application:

Seal tester is used in food industry, beverage, pharmaceuticals, personal care etc.

By air compressor, seal tester's negative pressure is generated to test the hermetic sealing quality and performance of packaging bags, bottles and cans etc.

Features:

- * Microcomputer control, test parameters can be set, automatic testing process
- * LCD screen display
- * Sealed chamber is made of high quality plexiglass tubing with 15mm thickness
- * Backflush automatically to unload pressure



Technical Parameters:

Model	BK-ST134
Vacuum Degree Range	-90~0kPa
Vacuum Precision	0.1KPa
Resolution	0.1KPa
Indication of Changes	≤1%
Vacuum Chamber Size	Φ270*210mm(standard). Note: customization is available for other sizes
Original Air Pressure	0.7MPa (Owned)
Original Air Connection	Φ6Polyurethane pipes
Control Method	Microcomputer control, automatic test procedure
Display	LCD display
Environmental Conditions	RT(20±10)°C, Relative humidity<85%
Power Supply	AC110/220V±10%, 50/60Hz
Optional Accessories	Vacuum Chamber: Φ360*H585mm Vacuum Chamber: Φ460*H330mm JW-032B Air Compressor
Dimensions	Sealed vacuum chamber: Φ300*350 mm Operation host (W*D*H): 320*420*120mm
Package Size(W*D*H)	400*620*600mm
Net Weight/Gross Weight	16kg/21kg

Ultrasonic Cleaner

Single Frequency Type

Introduction:

Ultrasonic cleaning is a process that uses ultrasonic and an appropriate cleaning solvent to clean items.

Features:

- * Standard basket and lid.
- * Time and temperature real-time display.
- * Fully microprocessor controller and programmable.
- * Digital display, easy operation for time and temperature.
- * Low-level water protection (UC-20S, UC-20SII, UC-30S, UC-30SII, UC-50S, UC-60S, UC-70S).
- * Standard Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz (Except for UC-5S, UC-10S, UC-20S, UC-20SII).

Technical Parameters:

Model	Capacity (L)	Ultrasonic Frequency	Time Range /Heating Temp	Ultrasonic Power(W)	Heating Power(W)	Tank Size L*W*H(mm)	Packing Size L*W*H(mm)	Gross Weight(kg)
UC-08A	1.3	40KHz	1~30min /20~80℃	60	200	150*140*65	260*260*260	2.5
UC-10A	2			60	200	150*140*100	260*260*290	3
UC-20A	3			120	200	240*135*100	350*260*330	4
UC-30A	6			180	400	300*150*150	430*280*380	6
UC-40A	10			240	400	300*240*150	430*370*380	8
UC-50A	14			300	400	300*240*200	430*370*430	9
UC-60A	15			360	600	330*300*150	460*430*390	10
UC-70A	19			420	600	330*300*200	460*430*430	11
UC-80A	22			480	800	500*300*150	630*430*390	13
UC-100A	30			600	1000	500*300*200	630*430*430	15
UC-5S	2	80KHz	1~480min /RT~80℃	50	100	150*140*100	260*260*280	3.5
UC-10S	4			100	400	300*150*100	445*250*400	8.5
UC-20S	6			200	400	300*150*150	435*240*430	8.8
UC-20SII	8			200	400	300*150*180	505*355*495	13
UC-30S	10			300	400	300*240*150	446*346*463	12.1
UC-30SII	13			300	400	300*240*180	840*670*730	75
UC-50S	27			500	800	500*300*180	1100*690*820	99
UC-60S	27			600	800	500*300*180	1100*690*820	101
UC-70S	27			700	800	500*300*180	1100*690*820	101

Double Adjustable Frequencies Type

Features:

- * Over-voltage and over-current protection.
- * Standard basket and lid.
- * Low-level water protection.
- * Fully microprocessor controlled and programmable.
- * Digital display, easy setting for time and temperature.
- * Time and temperature real-time display.
- * Standard Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz (Except for UC-10SD, UC-10SDII, UC-20SD, UC-20SDII, UC-30SD).

Technical Parameters:

Model	Capacity (L)	Adjustable Ultrasonic Frequency (KHz)	Time Range /Heating Temp	Ultrasonic Power(W)	Heating Power(W)	Tank Size L*W*H(mm)	Packing Size L*W*H(mm)	Gross Weight(kg)
UC-30SDG	13	45 80	1~480min /0~80℃	300	400	300*240*180	840*670*730	73
UC-50SD	27	45 80		500	800	500*300*180	1100*690*800	101
UC-60ST	27	45 80		600	800	500*300*180	1100*690*800	102
UC-70ST	27	45 80		700	800	500*300*180	1100*690*800	104
UC-10SD	3	45 80	1~480min /RT~80℃	100	400	230*140*100	446*250*400	7
UC-10SDII	4	45 80		100	400	230*140*130	446*346*453	12
UC-20SD	6	45 80		200	400	300*150*150	445*250*430	9.5
UC-20SDII	8	45 80		200	400	300*150*180	500*350*480	15.5
UC-30SD	10	45 80		300	400	300*240*150	446*346*483	12.5
UC-30SDII	13	45 80		300	400	300*240*180	650*540*630	37

Ultrasonic Cell Disruptor

Application:

Widely used in the field such as biology, chemistry, microbiology, pharmacology, physics, zoology, agronomy, medical science, pharmacy for teaching, scientific research and production.

Features:

- * LCD touch screen display.
- * Storage capacity: 20 groups of program data.
- * Temp. monitor: over-temperature protection.
- * Other functions: automatic tracking the frequency, fault alarm.



Technical Parameters:

Model	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1200	UCD -1500	UCD -1800	UCD -2000
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Crushing Capacity(ml)	0.1~150	0.1~300	0.1~400	0.1~500	0.1~700	1~1000	1~1500	1~1200	50~2000
Standard Amplitude-change Pole Ø (mm)	6					20	22	22	25
Optional Amplitude-change Pole Ø(mm)	2, 3, 6, 8, 10	2, 3, 6, 8, 10	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12, 15	10, 15, 20, 22, 25	10, 15, 20, 22, 25	10, 15, 20, 22, 25	10, 15, 20, 25
Consumption (W)	1.5~150	2.5~250	5~500	6.5~650	10~1000	12~1200	15~1500	18~1800	0~2000
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)								
Package Size (W*D*H)	350*350*550mm(acoustic chamber) 470*305*430mm(main body)								
Gross Weight	26kg					29kg			

Technical Parameter for Amplitude Pole:

Size	Crushing Capacity(ml)	Recommended power ratio	Frequency (KHz)	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1200	UCD -1500	UCD -1800	UCD -2000
φ2mm	0.1-5ml	1~35%	20~25	√	√	√	√	√	√	×	×	×
φ3mm	3-10ml	1~45%	20~25	√	√	√	√	√	√	√	√	×
φ5mm	5-100ml	1~60%	20~25	×	×	×	×	×	×	×	×	×
φ6mm	10-100ml	1~70%	20~25	√	√	√	√	√	√	√	√	√
φ8mm	20-200ml	1~85%	20~25	√	√	√	√	√	√	×	×	√
φ10mm	30-300ml	1~90%	20~25	√	√	√	√	√	×	×	×	×
φ10mm	30-300ml	1~60%	19.5~20.5	×	×	×	×	×	√	√	√	√
φ12mm	50-600ml	10~90%	20~25	×	×	√	√	√	√	×	×	×
φ15mm	200-750ml	10~95%	20~25	×	×	×	×	√	√	×	×	×
φ15mm	50-500ml	5~80%	19.5~20.5	×	×	×	×	×	√	√	√	√
φ20mm	100-1000ml	10~90%	19.5~20.5	×	×	×	×	×	√	√	√	√
φ22mm	200-1200ml	20~95%	19.5~20.5	×	×	×	×	×	√	√	√	√
φ25mm	300-1500ml	30~95%	19.5~20.5	×	×	×	×	×	×	√	√	√

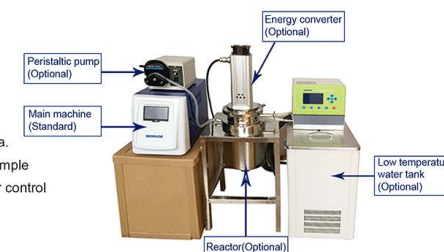
Continuous Flow Ultrasonic Cell Disruptor

Application:

It is suitable for the extraction of Chinese herbal medicine, cells, bacteria and emulsifying chemical nanometer material, suitable for small batch production or to provide accurate technical parameters for the future industrial production.

Features:

- * LCD Display
- * Automatic tracking the frequency
- * Storage capacity: 20 groups of program data.
- * It can test and control temperature of the sample
- * Function of automatic feeding and computer control can be optional equipped



Technical Parameters:

Model	UCD-4000W-II
Frequency	19.5~20.5KHz
Standard Amplitude-change Pole Ø	40mm
Crushing Capacity/Once	500~10000ml
Crushing Capacity/Continuously	100L/Day
Max. Consumption	1000~4000W, Adjustable
Time Set	Optional: Continuous/Pulse
Max. Working Time	99h59min59sec
Safety System	Over temperature, Time; Overload; No load
Standard Accessories	Main machine, energy converter, standard amplitude, sound proof box(or supporting frame)
Optional Accessories	Stainless steel reactor, energy converter, peristaltic pump, low temperature water tank
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)
Package Size(W*D*H)	675*305*450mm(main body); 430*415*730mm(soundproof box)
Gross Weight	32kg

Portable Ultrasonic Cell Disruptor

Features:

- * LCD Display
- * Temperature alarm setting range: 0~100℃
- * Ultrasonic time setting for on and off: 0.1-9.9s
- * Audible alarm for: Over temperature, over power, over time



Technical Parameters:

Model	UCD-P01
Frequency(KHz)	20~30, frequency automatic tracking
Crushing Capacity(ml)	0.1~150ml (need to choose the corresponding horn)
Standard Amplitude Pole Ø(mm)	3 or 5
Optional Amplitude Pole φ (mm)	2, 3, 5, 6
Other Optional Accessories	Foot switch, sound proof box, bracket
Consumption(W)	2.5~250W, adjustable
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)
Package Size(W*D*H)	470*305*430mm(main body)
Gross Weight	16kg