BioLAB

PRODUCT CATALOG

ATOMIC ABSORPTION SPECTROPHOTOMETER

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ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1B1

ATOMIC ABSORPTION SPECTROPHOTOMETER

An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms (?g). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.

Three lamp flame method. With automatic safety protection function, anti tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.

SPECIFICATIONS

Model	BJN1B1
Old Model	BAAS-601
Grating	1800 l /mm
Wavelength Range	190-900 nm
Spectral Bandwidth	0.1. 0.2. 0.4,. 1.0. 2.0 nm (automatic adjustable)
Wavelength accuracy	≤ 0.15 nm
Wavelength repeatability	± 0.1 nm
Baseline stability	≤ ± 0.002 A /30 minutes (static) ≤ ± 0.005 A /30 minutes (dynamic)
Light source	≤ 3 lamps automatic turret, automatic alignment
Power	Double cathode power built-in high performance lamps
Flame atomizer	
- Characteristic concentration (Cu)	0.015 μg/mL/1%
- Detection limits (Cu)	0.002 μg/mL
- Precision	RSD ≤ 0.5 %
- Combustion head	Metal Titanium combustion head
- Atomizer	Efficient glass atomizer
- Atomizing chamber	explosion proof corrosion resistant material spray chamber
- Control system	Automatic PC control three light brick, automatic alignment, automatic optimization and automatic ignition
- Safety protection	With automatic safety protection function, anti-tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.
- Background correction	Deuterium background correction: correction of the 1A background
Data processing	
- Measurement methods	Flame method, Hydride method
- Concentration calculation method	standard curve method (1 - 3 times curve),automatic matching, the standard addition method
- Repetition survey frequency	1-99 times, calculating the average value, standard deviation and relative standard deviations are given
- Results print	Parameters print, data and graphics print, export WORD and EXCEL document. Simple operation, lamp position rotating, automatic ignition through software
Communication interface	Computer and USB interface communication
Power requirements	220 V (+5 % ~ -10 %), 50/60 Hz; 5000 VA
Environment temperature	+15 °C ~ +35 °C
Relative humidity	20 ~ 80 %

Alt Name	Atomic Absorption Spectrophotometer

APPLICATIONS

Food and Beverage Industry, Water Analysis, Clinical Research, Pharmaceutical, Mining and Geology, Environmental Monitoring, Oil and Petroleum, Forensics.

ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1C1

ATOMIC ABSORPTION SPECTROPHOTOMETER

An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms (?g). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.

Six lamp flame method. With automatic safety protection function, anti-tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.

SPECIFICATIONS

Model	BJN1C1
Old Model	BAAS-602
Grating	1800 l/mm
Wavelength Range	190-900 nm
Spectral Bandwidth	0.1, 0.2, 0.4, 1.0, 2.0 nm (automatic adjustable)
Wavelength Accuracy	≤ 0.15 nm
Wavelength Repeatability	± 0.1 nm
Baseline Stability	≤ ±0.002 A /30 minutes (static), ≤ ±0.005 A /30 minutes (dynamic)
Light Source	≤ 6 lamps automatic turret, automatic alignment
Power	Double cathode power built-in high performance lamps
Flame atomizer	
- Characteristic Concentration (Cu)	0.015 μg/mL/1%
- Detection Limits (Cu)-	0.002 μg/mL
- Precision	RSD ≤ 0.5 %
- Combustion Head	Metal Titanium combustion head
- Atomizer	Efficient glass atomizer
- Atomizing Chamber	Explosion proof corrosion resistant material spray chamber
- Control System	Automatic PC control three light brick, automatic alignment, automatic optimization and automatic ignition
- Safety Protection	With automatic safety protection function, anti-tempering, automatic gas path protection, acetylene gas leakage alarm, automatic shutdown system, abnormal automatic power-off
- Background Correction	Deuterium background correction: correction of the 1A background
Data processing	
- Measurement Methods	Flame method, Hydride method
- Concentration Calculation Method	Standard curve method (1 - 3 times curve), automatic matching, the standard addition method
- Repetition Survey Frequency	1-99 times, calculating the average value, standard deviation and relative standard deviations are given

- Results Print	Parameters print, data and graphics print, export WORD and EXCEL document. Simple operation, lamp position rotating, automatic ignition through software
Communication Interface	Computer and USB interface communication
Power Requirements	220 V (+5 % ~ -10 %), 50/60 Hz; 5000 VA
Environment Temperature	+15 °C ~ +35 °C
Relative Humidity	20 ~ 80 %
Alt Name	Atomic Absorption Spectrophotometer

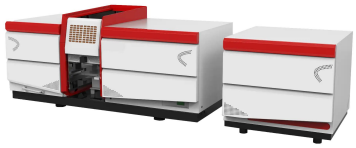
APPLICATIONS

Food and Beverage Industry, Water Analysis, Clinical Research, Pharmaceutical, Mining and Geology, Environmental Monitoring, Oil and Petroleum, Forensics.

ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1D1

ATOMIC ABSORPTION SPECTROPHOTOMETER

An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms (?g). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.



Six lamp flame/graphite furnace integrated machine. With automatic safety protection function, anti-tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.

SPECIFICATIONS

Model	BJN1D1
Old Model	BAAS-603
Grating	1800 l/mm
Wavelength Range	190-900 nm
Spectral Bandwidth	0.1, 0.2, 0.4, 1.0, 2.0 nm (automatic adjustable)
Wavelength Accuracy	≤ 0.15 nm
Wavelength Repeatability	± 0.1 nm
Baseline Stability	≤ ±0.002 A /30 minutes (static), ≤ ±0.005 A /30 minutes (dynamic)
Light Source	≤ 6 lamps automatic turret, automatic alignment
Power	Double cathode power built-in high performance lamps
Flame atomizer	
- Detection Limits (Cu)	0.002 μg/mL
- Precision	RSD ≤ 0.5 %
- Combustion Head	Metal Titanium combustion head
- Atomizer	Efficient glass atomizer
- Atomizing Chamber	Explosion proof corrosion resistant material spray chamber
- Control System	Automatic PC control three light brick, automatic alignment, automatic optimization and automatic ignition
- Safety Protection	With automatic safety protection function, anti-tempering, automatic gas path protection, acetylene gas leakage alarm, automatic shutdown system, abnormal automatic power-off
- Background Correction	Deuterium background correction: correction of the 1A background
Data processing	
- Measurement Methods	Flame method, Hydride method

- Concentration Calculation Method	Standard curve method (1 - 3 times curve), automatic matching, the standard addition method
- Repetition Survey Frequency	1-99 times, calculating the average value, standard deviation and relative standard deviations are given
- Results Print	Parameters print, data and graphics print, export WORD and EXCEL document. Simple operation, lamp position rotating, automatic ignition through software
Communication Interface	Computer and USB interface communication
Power Requirements	220 V (+5 % ~ -10 %), 50/60 Hz; 5000 VA
Environment Temperature	+15 °C ~ +35 °C
Relative Humidity	20 ~ 80 %
Alt Name	Atomic Absorption Spectrophotometer

ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1F1

ATOMIC ABSORPTION SPECTROPHOTOMETER

An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms (?g). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.

Six lamp flame method. Full titanium combustion head, 50 mm or 100 mm general combustion head and polymer explosion-proof spray chamber. With customisable atomizer efficient glass atomizer.

SPECIFICATIONS

Model	BJN1F1
Old Model	BAAS-605
Light Source	≤ 8 lamps automatic turret, automatic alignment
Power Supply	110/220 V (+5% ~ -10%), 60/50 Hz; 5000 VA
Lamp Current	Pulsed power supply
Optical System	Large 1800 /mm grating ruling, full closed optical system
Wavelength Range	185 - 900 nm. Automatically peak find, a key optical optimization function
Wavelength Accuracy	± 0.15 nm
Wavelength Repeatability	< 0.10 nm
Spectral Bandwidth	0.1, 0.2, 0.4, 0.7, 1.0, 1.4, 2.0 nm (7 steps with automatic changeover)
Baseline Stability	≤ ±0.002A/30 min (Static) ≤ ±0.004A/30 min (Dynamic)
Absorbance Range	0 - 4 A
Flame Analytical System	
- Detector	Imported photomultiplier tube
- Burner Head	Full titanium combustion head, 50 mm or 100 mm general combustion head
- Atomization Chamber	Polymer explosion-proof spray chamber
- Nebulizer	Atomizer efficient glass atomizer, can also be customized
- Ignition Type	Microcomputer control, automatic ignition
- Gas Control	Automatic gas control system

- Detection Limits (Cu)	0.002 μg/mL
- Precision	RSD ≤ 0.5%
Alt Name	Atomic Absorption Spectrophotometer

APPLICATIONS

Food and Beverage Industry, Water Analysis, Clinical Research, Pharmaceutical, Mining and Geology, Environmental Monitoring, Oil and Petroleum, Forensics.

ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1G1

ATOMIC ABSORPTION SPECTROPHOTOMETER

An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms (?g). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.

Eight lamp flame/graphite furnace integrated machine. Imported photomultiplier tube. The graphite tube damage, water flow air pressure and other alarm temperature overheating protection.

SPECIFICATIONS

Model	BJN1G1
Old Model	BAAS-606
Light Source	8 lamps automatic turret, automatic alignment
Power Supply	110/220 V (+5% ~ -10%), 60/50 Hz; 5000 VA
Lamp Current	Pulsed power supply
Optical System	Large 1800 /mm grating ruling, full closed optical system
Wavelength Range	185 - 900 nm. Automatically peak find, a key optical optimization function
Wavelength Accuracy	± 0.15 nm
Wavelength Repeatability	< 0.01 nm
Spectral Bandwidth	0.1, 0.2, 0.4, 0.7, 1.0, 1.4, 2.0 nm (7 steps with automatic changeover)
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- Ignition Type	Microcomputer control, automatic ignition
- Gas Control	Automatic gas control system
- Detection Limits (Cu)	0.002 μg/mL
- Precision	RSD ≤ 0.5%
Graphite Furnace Analytical System	
- Heating Mode	Vertical heating
- Temperature Control Method	Vertical optical temperature monitoring graphite tube wall temperature
- Temperature Range	Room temperature to 3000 °C
- The Program	Automatic temperature control up to 20 order

- Temperature Control	The furnace enriched up to 20 times
- Characteristics Volume	0.4 x 10 - 12 g (Cd)
- Detection Limit: Graphite Furnace Analytical System	0.4 x 10 - 12 g (Cd)
- The Cooling Water	Can choose cooling water circulation system
- Safety	The graphite tube damage, water flow air pressure and other alarm temperature overheating protection
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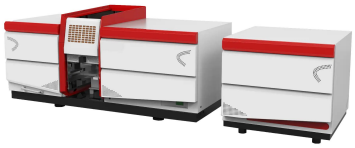

Eight lamp flame/graphite furnace integrated machine. Automatic PC controls three light bricks, automatic alignment, automatic optimization and automatic ignition. With automatic safety protection function, anti-tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.

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