

# AA S-263 Atomic absorption spectrophotometer



AA S-263 has high precision, humanized designation to fully meet the different requirements of users. Users can choose graphite furnace control, automatic injector, hydride generator and so on.

AA S-263 can be widely used in the fields of geology, metallurgy, medicine, chemical industry, petroleum, agriculture, environment protection, commodity inspection and some other industries. The analysis and application of trace elements has gradually permeated from inorganic chemistry to organic chemistry in recent years.

## **Description:**

- There are four-lamps position, and the pre-heat lamp number can be customized, which can minimize the waiting time of operating process.
- The lamps have the functions of self-optimized and three-dimensional self-adjustment to maximize the energy.
- The elements have the functions of negative high-voltage self-memory, wavelength scanning, lamps self-optimization and energy optimization with one key step.
- It is convenient for the testing results to be exported by various formats and operated by office software.
- Hydride generator can be used.

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**SYSTRONICS (INDIA) LIMITED**

B/116-129, 1<sup>st</sup> floor, Supath II Complex, Nr. Juna Wadaj Bus Terminus,  
Ashram Road, Ahmedabad – 382330.

## **Specifications:**

<b>Optical system</b>	
Wavelength range	190nm-900nm
Grating mark density	1800 lines
Monochromator	Czerny-Turner type
Spectral bandwidth	0.2nm, 0.4nm, 1.0nm, 2.0nm,for multiple auto-switching
Wavelength precision	±0.2nm
Wavelength repeatability	0.05nm
Baseline drift	0.002A/30min
Detectors	Wide spectral range photomultiplier tube
Spectral bandwidth deviation	Cu 324.7nm, 0.2nm bandwidth deviation within ±0.01nm
<b>Light source system</b>	
Lamp holders	Four lamp holders for auto-switching
Lamp power supply mode	400Hz square wave pulse
Lamp current adjusting range	Lamp current adjusting range
<b>Atomization system</b>	
Concentration (Cu)	0.025µg/ml/1%
LOQ (Cu)	0.006µg/ml
Burner	100mm, single-slit air-cooled titanium metal burner
Precision	RSD≤0.8%
Sprayer	High efficiency glass sprayer of metal set
Atomization chamber	Corrosion-resistant plastic atomization chamber
Safety measures	It has functions of various auto safety protection, acetylene leak alarm and system turn off.
<b>Analysis method</b>	
Measuring methods	Air-acetylene flame method and atomic absorption method for hydride generator
Concentration calculate method	Automatically fit the working curve, calibrate sensitivity and calculate the concentration & content.
Repeat measuring times	1~99 times automatically calculate the average value, content, standard deviation and relative standard deviation.
Result printed	Print the stage test data or final analysis report, and the results can be exported to Excel.
Software environment	Windows XP/Vista/Windows7 Compatible software

Instrument parameters	
Power supply	AC 220V/50HZ
Power	150VA
Weight	70kg
Working environment temperature	10~35°C
Working environment humidity	≤80%

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