



A-2320 Atomic Absorption Spectrophotometer

Specifications:

Main Specification	Wavelength range	190-900nm
	Wavelength accuracy	±0.5nm
	Resolution	Two spectral lines of Mn at 279.5nm and 279.8nm can be separated with the spectral bandwidth of 0.2nm and valley-peak energy ratio less than 30%.
	Baseline stability	0.005A/30min
	Background correction	The D2 lamp background correction capability at 1A is better than 30 times.
Light Source System	Lamp number	2 lamps (one preheating)
	Lamp current adjustment	Micro-computer control Adjustment range: 0~20mA,
	Lamp power supply mode	Powered by square pulses
Optical System	Monochomator	Single beam, Czerny-Turner design grating monochromator
	Grating	1800 l/mm
	Focal length	277mm
	Blazed Wavelength	250nm
	Spectral Bandwidth	0.1nm, 0.2nm, 0.4nm, 1.2nm

Detection and Data Processing System	Detector	Photomultiplier with high sensitivity and wide spectral range.
	Electronic and micro-computer system	Light energy and negative high-voltage auto-balance
	Display mode	LED display of energy and measurement values, concentration direct reading
	Read mode	transient, integral, peak height, peak area. Integral or sampling time is in the range of 0.1-19.9s.
	Scale expansion	0.1~99
	Data processing mode	Automatic calculation of mean, standard deviation and relative standard deviation. Repeating number is in the rang of 1-99
	Measurement mode	3~7 standards can be determined for curve fitting. Sensitivity correction available.
	Result printing	Measurement data, working curve, signal profile and analytical conditions can all be printed out.
	Instrument self-check	Check current status of each function key
Flame Analysis	Burner	10cm single slot all-titanium burner
	Spray chamber	All-plastic spray chamber.
	Nebulizer	High efficiency glass nebulizer with metal sleeve.
	Position adjustment	Adjusting mechanism for vertical, horizontal positions and the rotation angle of the burner.
	Gas line protection	Fuel gas leak alarm
Characteristic Concentration and Detection Limit	Air-C ₂ H ₂ flame	Cu: Characteristic concentration ≤ 0.025mg/L, Detection limit ≤ 0.006mg/L;
Function Expansion	Flameless analysis with WF-1C graphite furnace system available.	
	Hydride vapor generator can be connected for hydride analysis.	
Dimensions and Weight	1020 x 490 x 540 mm, 80kg unpacked	

Analytical Technologies Limited

(An **Analytical** Group Co.)

E 67 & 68, Ravi Park, Vasna Road,
Baroda – 390 015, Gujarat, India

Tel : 0265-2253620, Tel. Fax : 0265-2254395

Email : info@ais-india.com Web : www.ais-india.com