AAS
Atomic Absorption Spectrophotometer

ISO 9001

CE

WFX-310/320

Flame Atomic Absorption Spectrophotometer

FEATURES:

High cost-effective flame AAS

Reasonable design, adopting the same key parts as in high end instruments, ensures basic functions but less automation to provide an economic model for users

Reliable integration of main unit with microprocessor

Built-in microprocessor with necessary auto-control and data processing functions achieve high reliability of the instrument.

Simple and easy operation

Eye-catching digital display, multi-function data processing ability and fast function-key direct input realize easy and fast analysis.

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	2 lamps are powered simultaneously (one preheating)	
	Lamp current adjustment range: 0~20mA,	
	Lamp power supply mode	Powered by 400Hz square pulse
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 4 steps
	Adjustment	Manual adjustment for wavelength and slit
Flame Atomizer	Burner	10cm single slot all-titanium burner
	Spray chamber	Corrosion resistant all-plastic spray chamber.
	Nebulizer	High efficiency glass nebulizer with metal sleeve, sucking up rate: 6-7mL/min
	Position adjustment	Manual adjusting mechanism for vertical, horizontal positions and the rotation angle of the burner
	Gas line protection	Fuel gas leakage alarm
Detection and Data Processing System	Detector	R928 Photomultiplier with high sensitivity and wide spectral range.
	Electronic and micro-computer system	Automatic adjustment of light source power. Light energy and negative high-voltage auto-balance
	Display mode	LED display of energy and measurement values, concentration direct reading
	Read mode	Transient, time average, peak height, peak area. Integral time is selectable 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	Automatic curve fitting with 3~7 standards; Sensitivity auto-correction
	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
Characteristic Concentration and Detection Limit	Air-C_2H_2 flame	Cu: Characteristic concentration≤0.025mg/L, Detection limit≤0.006mg/L;
Function Expansion	Hydride vapor generator can be connected for hydride analysis.	
Dimensions and Weight	1020 x 490 x 540 mm, 80kg unpacked	