AA320N Automic Absorption Spectrophotometer



Feature

- Build-in computer data processing and LCD display: stable and reliable with the functions of integral holding, peak height and area, auto zero adjusting, deuterium lamp background correction, multi-linear and nonlinear curves fitting, various parameters and working curves displayed in screen and report printing, etc. It is equipped with interface for externally linking PC.
- Stability: Double-beam system can automatically compensate the light source drift and wavelength drift caused by the variation of temperature (with the function of the eliminating the affection of wavelength drift on the base line stability) and electronic circuit drift so as to reach a good basic line stability.
- Quickly: The cathode lamp needs not be pre-heated for long time and sample can be analyzed immediately. It is the preferable instrument chosen by users to conduct analysis of multiple kinds of elements and fast analysis of samples.
- High precision of measurement: Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration.
- High energy optical path: A total reflection system is adopted to eliminate color difference in full range. By means of chemical conversion, a round light spot of the light source becomes a long light spot, which enters into the slit. Therefore the light flux of double beam is enhanced.6. Long-life and anti-corrosive atomization system: The burner is made of new type titanium alloys, anti-corrosive and fast thermal equilibrium. It meets the requirement of measurement sensitivity without water-cooling.
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- Multi-functional analysis mode: for methods of flame absorption, flame emission, graphite furnace atomic absorption and hydride generation.
- Safe and reliable gas path system: Special devices of quick gas conversion and safety protection can be used to analyze air-acetylene flame.
- Complete set of accessories: to be supplied with the instrument and ready for use after they are purchased.

Technical Parameter

Model	AA320N
Wavelength Range	190-900nm
Wavelength accuracy	≤±0.5nm
Wavelength repeatability	≤0.3nm (single direction)
Spectrum bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Resolution	<40%
Base line stability	±0.004Abs/30min
Characteristic concentration of copper	≤0.04μg/ml/1%
Detection limit of copper	≤0.008μg/ml
Background calibration ability	Greater than 30 times
RS232	including
Printer	optional
Power supply	220V/50HZ 3A
G.W.	138kg+56kg
Packing Size	1250mmx795mmx765mm (Main instrument) 545mmx445mmx1385mm (Accessories)

Standard Accessories

Oil-free air compressor
Glass Atomizer
Cu Hollow cathode lamp
Atomizer unit
Burner unit
Dust cover
Water-separating gas filter
Titanium burner---10cm

Optional Accessories

Model GA3202 HGA graphite furnace system
Hydride generator
Hollow cathode lamp
Graphite tubes
Software
Recirculating cooling water system
Technical Specification