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ANALYTICAL EXCELLENCE...

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## Atomic Absorption Spectrophotometer MA-AA320N

### FEATURES:

- Built-in computer data processing and LCD display
- Stability: double beam system can automatically compensate the light source and wavelength drift caused by variation of temperature and electronic circuit drift
- The cathode lamp does not need to be pre-heated for a long time and sample can be analysed immediately
- High precision measurement: Gas path system is equipped with precision pressure stabilising and current stabilising 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
- Long-life and anti-corrosive atomization system
- Multi-functional analysis mode: ① Flame absorption; ② Flame emission; ③ Graphite furnace atomic absorption; ④ Hydride generation
- Reliable gas path system: Special devices of quick gas conversion and safety protection can be used to analyse air-acetylene flame and extend the analytic elements to reach more than 60



Oil free air compressor  
(Standard accessory)

**MODEL SPECIFICATIONS:**

<b>Model</b>	<b>MA-AA320N</b>
Wavelength Range	190~900nm
Wavelength Accuracy	≤±0.5nm
Wavelength Repeatability	≤0.03nm (single direction)
Spectral Bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Grating	1 800 lines/mm
Resolution	<40%
Base Line Stability	±0.004Abs/30min
Characteristic Concentration	≤0.04μg/ml/1% (Cu)
Detection Limit	≤0. 008μg/ml (Cu)
Background Calibration	>30 times
Power Supply	220V, 50Hz
Package Size (W*D*H*) mm	1250*795*765 (main instrument); 545*445*1385 (accessories)
Gross Weight (kg)	138 (main instrument); 56 (accessories)
Standard Accessories	RS232 serial port, 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	Software, Model GA3202HGA graphite furnace system, Hydride generator, Graphite tubes, Recirculating cooling water system, Hollow cathode lamp (Ag, Au, Ca, Cd, Cr, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Zn, AS etc)