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ANALYTICAL EXCELLENCE...

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### Atomic Absorption Spectrophotometer MA-AA4530F

#### FEATURES:

- Controlled by PC, can select the flame and graphite furnace atomizer (optional)
- Integrated floated optical platform design improves the optical system shock resistance
- Eight light stands can be changed automatically and preheat the eight lights as well as optimizing the working condition of the hollow cathode lamp
- Position adjustment: the flame burner can automatically be set on the best position
- Fully automated wavelength scanning and peak searching
- Complete safety chains protection equipment: warning and automatic safety protection for the wrong burner connection, gas leakage, under voltage of air and abnormal flameout
- Deuterium lamp and self-absorption background calibration
- Measuring method: flame absorption method and emission method
- Resulting printing: parameter, date result and diagram
- Data processing: more than 500 data self-storage and cut-off storage, analysed result is stored in Excel format
- Standard Accessories:



Oil free air compressor



Printer

**MODEL SPECIFICATIONS:**

<b>Model</b>	<b>MA-AA4530F</b>
Wavelength Range	190~900nm
Spectral Bandwidth	0.1, 0.2, 0.4, 1.0, 2.0nm
Wavelength Accuracy	≤±0.15nm
Wavelength Receptivity	≤0.04nm
Base Line Stability	≤0.002A/30min (Cu)
Characteristic Concentration	0.02μg/ml/1% (Cu)
Detection Limit	0.004μg/ml (Cu)
Measurement Repeatability	≤0.5%
Grating	1 800 lines/mm
Inflamer	All-metal titanium burner
Atomizer	Efficient glass atomizer
Lamp Stand	8
D2 Background Calibration	When the background is A1, the background ability should be deducted not less than 50 times; self-absorption background deduction method
Power Supply	220V, 50Hz
Package Size (W*D*H*) mm	850*705*755 (main instrument); 545*445*1385 (accessories)
Gross Weight (kg)	105 (main instrument); 100 (accessories)
Standard Accessories	Software, Inkjet printer, Oil free Air Compressor, Acetylene reducing valve, Cu Hollow cathode lamp, Air filter
Optional Accessories	Graphite furnace 4510GF, Hollow cathode lamp (Ag, Au, Ca, Cd, Cr, Fe, Hg, K, Au, Mg, Mn, Na, Ni, Pb, Zn, Sb etc), Graphite tubes, Recirculating water system, Hydride generator, Autosampler

**FLAME SYSTEM:**

Acetylene Air Burner	100mm
Ignition Dynamic Baseline Drift	≤0.006A/30min
Characteristic Concentration	≤0.025μg/ml/1% (Cu)
Related Standard Deviation of Accuracy	≤0.5% (Cu, absorbance>0.8A) (detection limit Cu≤0.008μg/ml)
Safety System	Can automatically cut-off the gas when the pressure is not enough, power is off, flameout and unconformity of the burner

**GRAPHITE FURNACE (OPTIONAL):**

Max Temp.	3000°C
Max. Heating Speed	≥2000°C/S
Characteristic Quantity	Cd≤0.5*10 <sup>-12</sup> g Cu≤0.5*10 <sup>-11</sup> g
Accuracy	Cu≤3% Cd≤3%
Safety System	Over current protection, low air pressure alarm/protection, low cooling water flow alarm/protection
Power Supply	220V, 50Hz
Consumption	7000W
Packing Size (W*D*H*)mm	740*640*700
Gross Weight (kg)	90