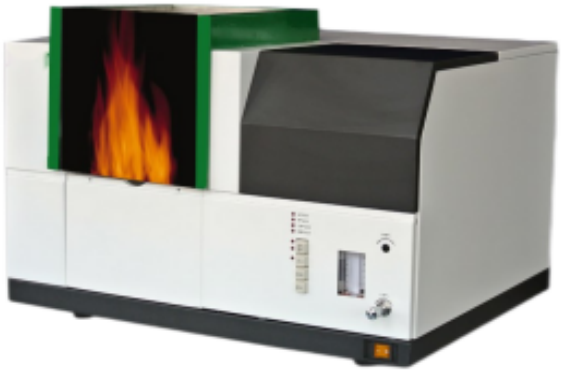
ABOUT ATA6500

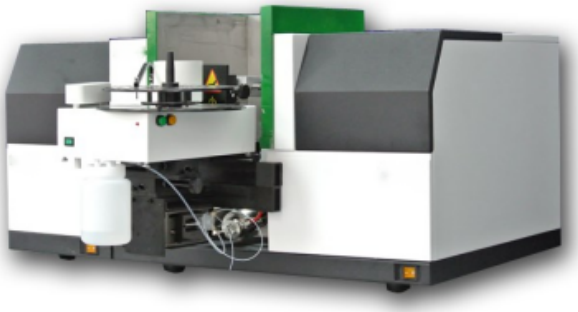
Optosky presents a wide range of quality equipment required in day-to-day function of a chemical lab to advanced instruments used for quality, assurance, control and research.

ATA6500 enables simple measurement of elements in a wide range of samples. The flame atomizer is ideal for the measurement of high concentration samples, while the urnace atomizer achieves sub ppb detection. The high quality atomic ab sorption spectrometer offers a state-of-the-art technology bundled with many features as a complete economical package.



The ATA6500 Series AAS flame instruments pro vide ideal analysis solutions for laboratories req uiring wide detection capability for over 60 ele ments and enable rapid, robust and reliable an analysis.

The dedicated furnace atomizers of the Optosky ATA6500 Series AAS employs PID controlled graphite furnace heating technology and Integr ated Graphite Furnace Television, allows for una ttended analysis of low concentration samples w ith accurate and repeatable results. The analysis is simplified by a wizard driven work-flow which guides the user through the process of method development, ensuring optimal parameters for a specific analysis.



Specifications

Item	ATA3500	ATA6500
wavelength range	190-900 nm	190-900 nm
Grating Line Density	1800 Line/mm	1800 Line/mm
Wavelength Repeatability	±0.1nm	±0.1nm
Wavelength Indication Error	Full-wave band±0.2nm	Full-wave band±0.2nm
Optical System	Czerny-Turner System, Integrated Optical Bench, Closed Optical System	Czerny-Turner System, Integrated Optical Bench, Closed Optical System
Resolution	Spectral bandwidth 0.2nm can separate Mn Double Line(279.5/279.8) and Peak-valley energy ratio 〈30%	Spectral bandwidth 0.2nm can separate Mn Double Line(279.5/279.8) and Peak-valley energy ratio 〈20%
Spectrum Slit	4-gear automatic switching: 0.1nm,0.2nm,0.4nm,1.0nm	6-gear automatic switching: 0.1nm,0.2nm,0.4nm,0.7nm,1.0nm,2.0nm
Static baseline drift	≤0.004 ABS/30 min(Cu)	≤0.002 ABS/30 min(Cu)
Background Correction Technology	D2 Background deduction mode (Background Signal=1ABS, Background Correction Ability≥50 times	D2 Background deduction mode (Background Signal=1ABS, Background Correction Ability≥50 times
Body Design	Suspension-type integrated Internal and external optical path Structure	Suspension-type integrated Internal and external optical path Structure
Lamp Socket	4 lamp beacon (Can be preheated at the same time)	6 lamp beacon (Can be preheated at the same time)
Combustion Head	Air-acetylene flame Combustion Head (100mm, Optional Nitrous Gas Function)	Air-acetylene flame Combustion Head(100mm)
Sprayer	High Efficiency Glass Sprayer	High Efficiency Glass Sprayer
Dynamic Baseline Drift of Ignition	≤0.004 ABS/30 min(Cu)	≤0.004 ABS/30 min(Cu)
Characteristic Concentration of Copper	≤0.025ug/ml/1% (Cu, Abs>0.8ABS)	≤0.02ug/ml/1% (Cu, Abs>0.8ABS)
Detection Limit	Cu≤0.008ug/ml	Cu≤0.004ug/ml
Measurements Repeatability（Cu）	≤0.5%	≤0.5%