



ATOMIC FLUORESCENCE SPECTROMETER BEQ-4301

ATOMIC ABSORPTION SPECTROPHOTOMETER BEQ-4301

ATOMIC FLUORESCENCE SPECTROMETER



Stable Injection System: Dual peristaltic-pump intermittent flow injection ensures stable sample delivery, simple operation, easy maintenance and long service life.
Real-Time Flame Monitoring: Automatically monitors the flame status in real time without manual observation, reducing external interference during measurement.
Automatic Gas Flow Control: Dual mass flow controllers provide fast, stable gas regulation with accuracy up to 1 mL/min, plus abnormal-condition diagnosis and automatic gas shut-off when idle.

Intelligent Hollow Cathode Lamp: Automatically identifies the element lamp type and factory number, records lamp operating life and provides working-status information.

Dual-Channel Detection: Supports simultaneous analysis of two elements, with sin

SPECIFICATIONS

Model	BEQ-4301
Wavelength Range	
Spectral Bandwidth	
Wavelength Accuracy	
Detection element range	Hg,As,Sb,Bi,Se,Te,Cd,Ge,Pb,Sn,Zn Eleven chemical elements,etc
Element detection limit (D.L)	Hg,As,Sb,Bi,Se,Te,Pb,Sn $\leq 0.01\mu\text{g/L}$;Hg(Cold mercury) $\text{Cd}\leq 0.001\mu\text{g/L}$;Zn $\leq 1.0\mu\text{g/L}$;Ge $\leq 0.05\mu\text{g/L}$
Precision(RSD)	RSD $\leq 1\%$
linear range	Greater than three orders of magnitude
Alt Name	Atomic Fluorescence Spectrometer

FEATURES

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Dual-Channel Detection: Supports simultaneous analysis of two elements, with single-channel enhancement for improved sensitivity and lower detection limits.

Simplified Calibration & Automation: Only the highest-concentration standard solution is required to generate the calibration curve, with automatic high-concentration sample dilution and pipeline cleaning.

Efficient Gas-Liquid Separation: Secondary gas-liquid separation minimizes the influence of water vapor on analytical results, improving measurement reliability.

Intelligent Operating Software: Chinese/English Windows software supports automatic qualitative and quantitative analysis, sample-content calculation and report generation.

APPLICATIONS

Atomic fluorescence spectrometer has a wide range of applications,including environmental testing,hygiene and epidemic prevention,drug testing,urban drainage testing,cosmetic testing,soil,feed and fertilizer testing,clinical medical sample testing,agricultural product testing,geological survey,metallurgical sample testing,food hygiene testing, teaching and research,etc.



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