



AAS Atomic Absorption Spectrophotometer - AAS 999



AAS is an external computer controlled AAS equipped with 8-lamp positions, extinguish button, auto zero button, start button, automatic gas control and automatic burner setting.

Optical system	Double beam
Monochromator	Aberration Corrected Czerny – Turner; Dispersion elements: Grating system 1200 line/mm characterization area 40 mm ² Scintillation wavelength 250 nm;
Bandwidth:	0.1, 0.2, 0.4, 1 nm (4 step auto switching);
Wavelength range	180-900 nm
Wavelength accuracy	±0.2 nm
Grating	Holographic diffraction with 1800 lines/mm
Wavelength repeatability	±0.1 nm
Resolution:	Min 3 lines (279.5 & 279.8 peak and valley)
HCL housing:	Standard 8 lamp turret;
Gas control:	Automatic control & optimization (flow/pressure);
Safety measures:	Gas Leak check, prevention of gas release when flame dies out, prevention of flashback through pressure monitoring.
Photometric properties Measurement:	Aberration-corrected Czerny-Turner mounting;
Photometric Range:	0-125%, -0.1-3.00A;
Static Baseline Drift:	(Cu) +0.003A/30min;
Dynamic Baseline Drift:	(Cu) +0.006A/30min;
Background Correction:	Zeeman high frequency polarization modulation method (ZHFPM)
Flame :	Characteristic Concentration: (Cu) 0.025 ug/ml max;
Detection limit:	(Cu) 0.004 ug/ml max;
Precision:	RDS = 0.5%;
Burner:	Air cooled Titanium;
Nebulizer:	High - efficient Nebulizer;

Spray chamber:	Anticorrosion material;
Safety measures:	Flame fuel gas, power assisted gas abnormal pressure protection;
Characteristic Concentration and Detection Limit:	Air-C ₂ H ₂ flame, Oxygen-rich Air-C ₂ H ₂ flame: Cu: Characteristic concentration ≤ 0.025mg/L, Detection limit ≤ 0.006mg/L; Ba: Characteristic concentration ≤ 0.22mg/L Al: Characteristic concentration ≤ 0.4mg/L
Data Process	Test Manner: Flame, flame emission; Concentration: standard curve, standard addition, interpolation; Times of repetitive: Measurement 1-30 times, Average Value of A & C; Report Print: parameters, data result;
Dimensions/ Weight	800 x 580 x 575 mm / 80kg
Ambient Temp.	10 ~ 35 °C
Ambient Humidity	≤ 85 %
Power	110 / 220V ± 10%, 50/60Hz

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