

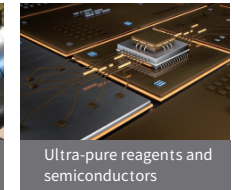
HCD1000 HOLLOW Cathode Spectrometer



FEATURES & BENEFITS

- The detection method and accuracy meet the GJB 8781.17-2015 detection standard
- This method is mainly "dry" analysis technology, solid samples (metal chips or powder) directly excited, saving trouble;
- The blank and environmental pollution introduced by chemical reagents and utensils are basically eliminated; Do not use flammable, explosive and harmful gases, nor use chemical reagents, which is conducive to human health, safety and environmental protection;
- Simple operation, the analysis process only weighing, excitation, computer analysis directly to the unknown sample concentration;
- When the sample is excited, each element has a different life cycle, so the function of element evaporation curve is needed to determine the optimal time period of integration of different elements.

APPLICATION FIELD



Some repeatable experimental data													
	Pb	Bi	As	Sb	Sn	Se	Te	Tl	In	Zn	Cd	Ag	Mg
测试1	0.000236	0.000027	0.006341	0.000514	0.000311	0.001415	0.000786	0.000046	0.000117	0.002255	0.000067	0.000095	0.00304
测试2	0.000197	0.000023	0.008439	0.000595	0.000393	0.001071	0.000707	0.000038	0.000146	0.001881	0.000071	0.000099	0.003094
测试3	0.000212	0.000024	0.00716	0.000542	0.000327	0.001296	0.000722	0.000049	0.000124	0.002307	0.000061	0.000124	0.003204
测试4	0.000256	0.000027	0.005137	0.000586	0.000274	0.001299	0.000763	0.000053	0.000121	0.00233	0.000059	0.000117	0.002566
测试5	0.000215	0.000021	0.006796	0.000553	0.000305	0.001204	0.000688	0.000043	0.000123	0.002158	0.000066	0.000105	0.003052
测试6	0.000208	0.000021	0.007753	0.000474	0.000418	0.001394	0.00073	0.000038	0.000157	0.002095	0.000068	0.000094	0.002751

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MAIN TECHNICAL INDICATORS

Project	Data
Spectral range:	200nm-500nm
Optical focal length:	998.8mm
Grating engraving:	2160gr/mm, dispersion rate :0.47nm/mm
Water cooled electrode:	Circulating cooling water device, automatic temperature control
Light source:	Hollow cathode power supply
Constant temperature system:	38 ± 0.1°C
Weight:	About 500KG
Size:	1800x1050x1245mm (length * width * height)
Environmental Conditions:	Temperature 15-25°C, relative humidity ≤75%