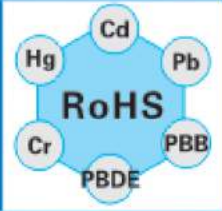




Cement



Steel and other nonferrous metals



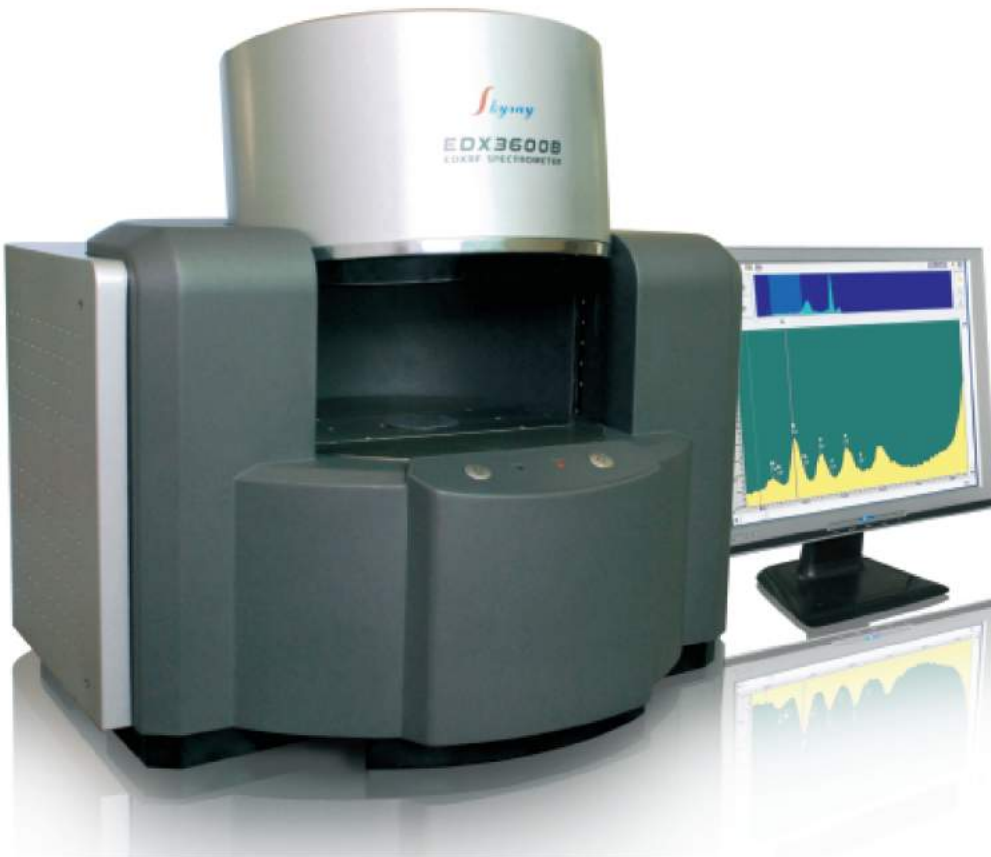
RoHS



EDX 3600B

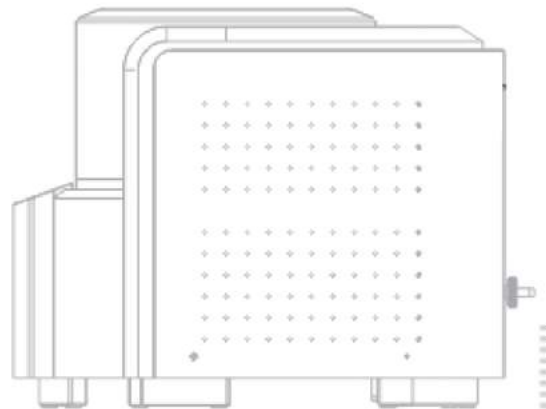
X-ray Fluorescence Spectrometer

EDX 3600B



EDX 3600B X-ray Fluorescence spectrometer uses XRF technology for rapid and accurate elemental analysis of cement and steel. The technology features low-energy X-rays specifically for excitation of light elements such as Si, S, Na and Mg; and with automatic spectrum stabilizing EDX3600B delivers accurate results for light elements testing. UHRD detector provide excellent energy linearity, energy resolution and high peak-background ratio.

EDX3600B can be configured for many types of applications based on specific user analysis requirements.



EDX 3600B



EDX 3600B



Software Options

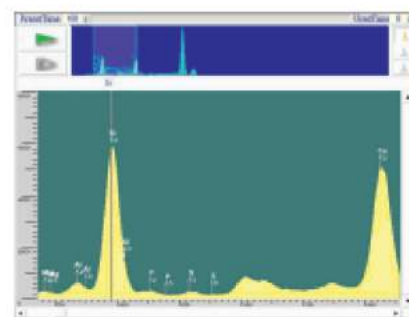
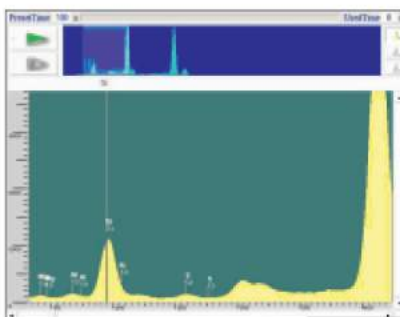
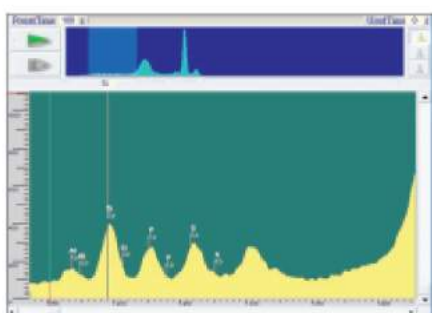
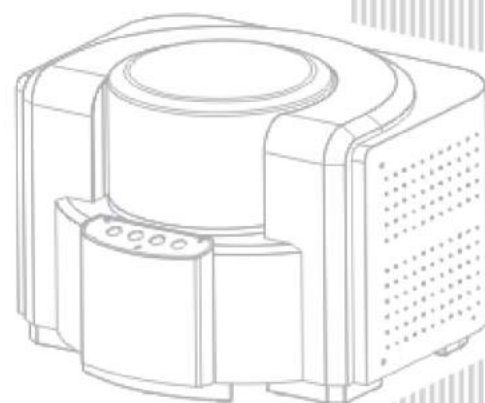
- Full-elemental analysis- Na-U
- RoHS/WEEE Analysis
- Mineral Analysis
- Alloy Analysis
- Custom calibrations for virtually any application

Technical Specifications

- Measurable elements: Na to U
- Range of element content: 1ppm-99.99%
- Ability of simultaneous analysis: 24 elements
- Plating thickness measurement: more than 11 layers, up to 0.005 μ m each layer
- Analysis accuracy: 0.05%
- Forms of samples: powder, solid and liquid
- Measurement time: 60s—200s
- Energy resolution: (150 \pm 5) eV
- Tube voltage: 5KV—50KV
- Tube current: 50uA—1000uA

Advantages

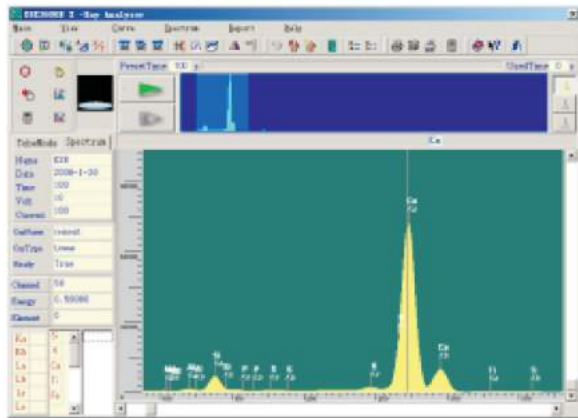
- Electric-cooling UHRD detector
- Signal-to-Noise Enhancer (SNE)
- Light path enhancement system
- High resolution CCD Camera
- Automatic collimator and filter switch
- Precise mobile platform
- Enhanced metal sensitivity



X-ray Fluorescence Spectrometer

EDX 3600B

Analytical Software



The screenshot shows the 'Test Result Report' dialog box. It contains a table with the following data:

Element	content	Intensity
Na	0.321	01.510
Mg	2.954	99.550
Al	4.042	182.950
Si	14.939	750.010
K	0.593	326.860
Ca	41.094	8114.300
Fe	0.213	62.100

Below the table, there are fields for 'Sample Name' (DSS), 'Weight', 'Product No.' (200709020001), 'Product Name' (JA), 'Product Type' (), and 'Description' (). There are also buttons for 'Save Report to File', 'Print Report', 'OK', 'Cancel', and 'Help'.

Stability

Times	Elements Results	Elements								
		Ca content	Na content	Mg content	Al content	Si content	K content	Ti content	Fe content	
Test1		44.410	0.458	3.563	4.582	10.012	0.344	0.113	3.388	200s
Test2		44.400	0.448	3.460	4.442	9.801	0.352	0.113	3.385	200s
Test3		44.448	0.427	3.480	4.493	9.954	0.347	0.112	3.368	200s
Test4		44.461	0.430	3.652	4.397	9.804	0.349	0.111	3.389	200s
Test5		44.423	0.448	3.608	4.491	9.879	0.342	0.113	3.388	200s
Test6		44.475	0.450	3.534	4.519	9.917	0.347	0.112	3.375	200s
Test7		44.446	0.444	3.782	4.663	9.934	0.351	0.111	3.389	200s
Test8		44.347	0.446	3.729	4.442	10.110	0.350	0.109	3.365	200s
Test9		44.355	0.450	3.560	4.450	10.090	0.352	0.111	3.354	200s
Test10		44.444	0.452	3.581	4.359	10.076	0.350	0.113	3.374	200s
Test11		44.444	0.464	3.554	4.548	9.688	0.351	0.113	3.372	200s
Test12		44.429	0.448	3.655	4.499	9.789	0.352	0.113	3.350	200s
Test13		44.430	0.453	3.717	4.521	10.093	0.350	0.113	3.359	200s
Test14		44.490	0.451	3.779	4.466	10.206	0.348	0.111	3.362	200s
Test15		44.462	0.446	3.679	4.483	10.212	0.348	0.115	3.362	200s
Test16		44.494	0.445	3.445	4.426	10.044	0.355	0.109	3.350	200s
Test17		44.440	0.435	3.720	4.418	10.053	0.348	0.111	3.355	200s
Test18		44.418	0.438	3.640	4.543	10.067	0.354	0.108	3.369	200s
Test19		44.428	0.427	3.705	4.359	10.310	0.350	0.112	3.371	200s
Test20		44.551	0.466	3.646	4.659	10.391	0.350	0.110	3.368	200s
Average value of content		44.44	0.45	3.62	4.49	10.02	0.35	0.11	3.37	
Standard deviation of the measurement Sn		0.04	0.01	0.10	0.08	0.18	0.00	0.00	0.01	
3s value		0.13	0.03	0.29	0.25	0.53	0.01	0.01	0.04	
Relative standard deviation RSD (%)		0.10%	2.34%	2.71%	1.82%	1.76%	0.86%	1.51%	0.38%	

Skyray Instruments



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