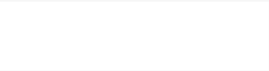


ScopeX 980CS Universal XRF Analyzer

The Scopex 980CS is equipped with highly intelligent software and high-quality hardware, with the advantages of wide linear range, fast analysis speed, good reproducibility and high accuracy.The sample preparation is simple, the sample size and shape can be diverse, and the high sample handling capacity can be realized Suitable for large-scale continuous analysis, process control, product quality inspection and other links. It is an ideal tool for oil, coating, precious metal, cement, mineral, metal materials and plastic industries.



Application range -

Application field

Minerals and Mining
Cement and Building materials
Ceramics, glass and industrial materials
Ore, mineral
Coal ash, catalysts
Metal material
Petroleum chemical industry

Technical parameters and specifications -

The Measurement Determination method	X-ray fluorescence analysis Energy dispersion type
Determination of the object	Solid, liquid, powder
Range of measurement	11Na-92U
Equipment size	W570mm x D402mm x H400mm
Equipment weight	47kg
Sample room size	W368mm x D304mm x H78mm
Open way	The automatic control

X - ray generating department

X-ray tube	High power side window X-ray tube
target materials	target W (standard), Au, Ag, Rh (optional)
voltage	5-50KV
current	0-1000μA
Cooling way	Air cooling
collimator	5mm, 3mm, 1mm, 0.5mm switchover automatically

The detector

type	Large area SDD
Cooling way	Peltier cooling
resolution ratio	<125eV

sample room

Measurement situation	Atmosphere, Vacuum, Helium
Sample observation	5 megapixel high-definition industrial camera

Computer configuration (including printer)

Host	Lenovo PC
Memory	DDR4 4G or above
Hard disk capacity	1 TBHDD /256 GB SSD or above
OS	Windows 10

Environment setup

Temperature conditions	10°C-35°C
Relative humidity	40-70%(no dew)
power supply	AC 220V±5V 50Hz
Rated power	100W

Contents and specifications are subject to change without prior notice.

Optional: 12 position removable sample exchanger

Product detail -

product details

1. ScopeX 980CS is equipped with a large area SDD detector with a higher count rate of X-ray fluorescence per unit time, thus achieving high accuracy analysis results in shorter measurement times. The resolution is also better, and the overlapping peaks between elements have less impact, it makes higher reliability.
2. Low energy X-ray with intelligent vacuum system, Si, P, S, Al, Mg and other light elements have a good excitation effect, XRF technology can be used to analyze the high content of Cr, Ni, Mo and other key elements.
3. A variety of collimator and filter switch automatically: 5mm, 3mm, 1mm, 0.5mm four collimators, collimator and filter can be automatically switched by the software, save time and effort, through the appropriate collimator and filter or no filter combination can improve the detection accuracy and sensitivity.
4. Nondestructive testing: no damage or influence to the performance of the tested object, no damage to the internal organization of the tested object, and no damage in the whole test process.
5. The advanced Peltier electric cooling method eliminates the need for liquid nitrogen, which reduces the complexity of equipment use and saves labor and equipment maintenance costs.
6. Offering USB, WIFI, wireless Bluetooth and other methods for data transmission, files can be used in EXCEL, PDF and other formats, users can customize the test report. including company logo, spectral spectrum and other sample information.

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