



COAL ASH ANALYZER

The ScopeX Coal ASH Analyzer is specifically crafted for analyzing the composition of coal ash in coking businesses. With smart software and top-notch hardware, this analyzer features a broad linear range, speedy analysis, excellent reproducibility, and high accuracy.

Coal ASH Analyzer finds extensive applications in cement production, iron and steel manufacturing, mineral processing, refractory materials, powder metallurgy, petroleum exploration, logging analysis, rare earth materials, environmental monitoring, non-ferrous metal industries, food processing, agriculture, scientific research institutions, universities, industrial and mining sectors, and various other fields.

Coal ASH Analyzer

APPLICATIONS

Coal ASH Analyzer - Coal mining, washing, blending

Coal mining, coal washing, coal blending

Coal ASH Analyzer - Coking, gasification

Coking, coal gasification

Coal ASH Analyzer - Coal power, petrochemical industry

Coal power, petrochemical industry

Coal ASH Analyzer - Ore exploration and rare earth analysis

Ore exploration and development, rock, core, rare earth element analysis

Coal ASH Analyzer - Metal alloy, iron and steel smelting

Metal alloy analysis, iron and steel smelting

Coal ASH Analyzer - Cement, limestone

Cement, limestone

FEATURES

High performance configuration

The intelligent vacuum system coupled with low-energy X-rays exhibits strong excitation effects on light elements like Si, P, S, Al, and Mg. XRF technology is capable of analyzing high concentrations of critical elements such as Cr, Ni, and Mo.

A variety of collimator, filter automatic switch

The Coal ASH Analyzer instrument features four types of collimators: 5mm, 3mm, 1mm, and 0.5mm. The software enables automatic switching between collimators and filters, streamlining processes and reducing time and effort. By selecting the right combination of collimator and filter, detection accuracy and sensitivity can be enhanced.

High compatibility of sample

Coal ASH Analyzer featuring a spacious sample chamber, the instrument can effectively detect samples in various forms such as solid, liquid, gas, and film, as well as different shapes including blocks, sheets, and linear configurations. This versatility grants the instrument a high degree of flexibility in sample analysis.

Peltier refrigeration

Coal ASH Analyzer utilizing Peltier electric refrigeration instead of liquid nitrogen reduces the complexity of the device and helps save on manpower and equipment maintenance costs.

Data transmission

Data transmission can be accomplished through various methods, including USB, WiFi, wireless Bluetooth, and other wireless technologies.

TECHNICAL SPECIFICATIONS

Test object	Coal ash, coking coal, raw coal, etc.
Range of element	Na—U
Sample room size	304×368×78mm□ L×W×H□
Sample weight range	0-2.5KG
Cover open	Automatic
Mainframe size	570×400×400mm□ L×W×H□
Mainframe weight	64KG
X-ray tube	High power side window X-ray tube
Voltage	Up to 50kV
Current	Maximum 1mA
Cooling Method	Air cooling
Detector	SDD
Sampling Method	Hand sampling, Auto injection
Sample Observation	5 megapixel HD industrial camera
PC(CPU)	CPU is I3-7100 with the same main frequency or above
RAM	DDR4 4 GB memory or above
ROM	1TB HDD or 256GB SSD or above
OS	Windows 11
Temperature conditions	10°C~35°C
Relative humidity	40%-70% □ No condensation□

Power supply	220VAC (110V also available)
Rated power	600W



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