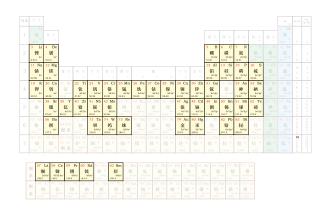




AES998 Spark Direct Reading Spectrometer

TABLE OF PARSABLE ELEMENTS











性能稳定 高性能 尺寸紧凑

SOOHOW INSTRUMENT SUPPORT HIGH-END MANUFACTURING IN CHINA

SOOHOW

FEATURES & BENEFITS

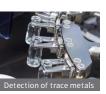
- High energy spark plasma power supply system High energy, high reliability plasma power supply system releases high quality EDM. It can accurately analyze all kinds of matrix, and has unique advantages for the analysis of cast iron and cast aluminum materials that are difficult to excite.
- High performance optical system The optical system with the highest focal length and resolution in the industry has high spectral accuracy, strong reliability, stable optical system and long correction period, providing a powerful spectral analysis platform for AES998.
- Excitation platform design optimization The dynamic and static argon gas flow design is adopted to ensure the analysis without heat engine and timely analysis of samples. And low gas flow consumption during standby, saving argon gas.
- Protective door design effectively insulates noise and electromagnetic interference, placing unreleased samples erroneously excitation. ■ Convenient user experience
- From sample handling to instrument operation, the process design is simple and easy to operate. WinLab software system visual operation design, operation and maintenance functions at a glance, testers can quickly learn and operate.
- Hardware status monitoring protection Monitor and display the instrument status in real time, and automatically protect the instrument system when it exceeds the status range.

APPLICATION FIELD









TECHNICAL SPECIFICATIONS

Project	subkey	Data
Optical system	Optical structure	Paschen-Runge structure
	Grating focal length	998.8mm
	Concave grating	Engraving density :2160gr/mm, dispersion rate 0.47nm/mm(Grade 1)
	Slit width	Entrance slit: 20um; Exit slit:35-100um
	Light chamber filling	Vacuum type (vacuum ≤3Pa) or air type, constant temperature control (36
	Line range	170-780nm (vacuum), 190-780nm (air)
	Maximum number of	64
	Channels detector	Φ13mm, Φ28mm, Class 10 side window photomultiplier
Excitation platform	Туре	Argon flush, protective door design
	Special sample	Small sample fixtures are available
Spark power supply	Software	SOOHOW WINLAB software, can automatically calculate, calibrate, store
	Argon	Purity greater than99.999%
	Dimension	1800 mm * 1050 mm *1245 mm(Length * width * height)
	Weight	About 500 kg
	Environmental requirement	Room temperature15-30°C
	Power source	220V +/ -10%, single phase, 50/60 Hz, independent ground

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