PeDX 980S Universal XRF Analyzer



Product introduction

As an accurate and efficient analysis method, XRF plays a very important role in modern analysis and detection, and XRF is applied to waste recycling, environmental assessment, consumer product safety, metal materials, metal jewelry, petrochemical industry, geological and mineral exploration and other fields.

PeDX 980S is a portable X-ray fluorescence (XRF) analyzer designed based on many years of XRF research and development experience and nearly 50 patented technologies. It has the advantages of lightweight and easy to carry, fast analysis speed, good reproducibility and high accuracy. It is a powerful tool in product trade, processing, quality testing, safety audit, recycling.

Application range -

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Geological chemistry	Mining exploration, ore detection
Environment assessment	Soil detection, solid waste detection
Consumer product compliance and safety screening	RoHS compliance screening
Alloy application	PMI, QA/QC, waste sorting
Precious metal detection	Identification of jewelry/precious metals, detection of automobile catalysts (three-way catalytic converter recovery)
Oil analysis	Detection of metals' abrasion in oil products
The plating thickness	Coating material testing and thickness measurement
other	Catalyst, cosmetics, pharmaceutical and biotechnology, etc

Technical parameters and specifications -

Instrument size	200 (L) *200 (W) *268 (H)
Sample cabin size	170 (L) *130 (W) *60 (H)
Total weight	4.1KG
X-ray tube of excitation source	50KV max, 200uA max, upper excitation power 4W
Operating system	based on i.mx6 Quad quad core cortex-a9 processor Dedicated analysis level operating system , 32GB system memory
Power supply system	intelligent battery with MSBUS bus, real-time monitoring battery and standby battery can directly check the remaining capacity of battery, which conforms to regulations on transportation of aviation dangerous goods. Single battery can work for about 8 hours
Resolution	<136eV
Data transmission	USB, Bluetooth
Operating environment temperature	-20℃~50℃
Operating environment humidity	10% - 90% relative humidity, non condensing
Display	5.7 "retractable color touch screen display
Measurement time	user defined
Safety protection	built in ray protection device (automatic cut-off) Safety interlock, only when power is on can the instrument be opened (sealing performance),Radiation indicator
optional	Built-in 5-megapixel HD camera

Product detail -

Performance advantages

1.One key intelligent operation
The whole analysis process can be completed in a few seconds, and the operation is simple, even for non-technical personnel.

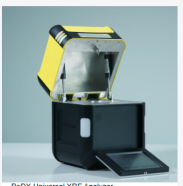
2.Easy to customize
On the basis of testing, it provides a variety of user-defined settings, which can change the test conditions according to the needs of testing, and also change the threshold according to the needs of screening, so as to realize the personalized screening of different materials and different elements.

3.Multi form data output
The analysis data report can be made in PDF format or excel format. When you export data in Excel format, you can also confirm and edit the data in detail in the table. Users can also customize and create professional reports, including company logo, company address, test results, spectrogram and other sample information (such as product description, origin, batch number, etc.).

4.Accurate and reliable qualitative and quantitative methods
The integration of super FP algorithm, correction curve method and other advanced algorithms makes the instrument not only faster, more accurate and more consistent.

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