

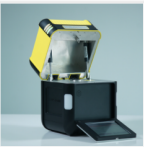
PeDX Universal XRF Analyzer

product introduction

X-ray fluorescence spectrometry (XRF), because it has no need to prepare sample, fast analysis speed, good reproducibility, high accuracy, wide range of analysis, low cost, no pollution and non-destructive determination etc., PeDX 980are widely used in various fields of elemental analysis, for the most part it has become indispensable to laboratory analysis equipment.

PeDX 980 is a portable X-ray fluorescence (XRF) analyzer designed by LANscientific instruments according to the analysis needs of users. It has the advantages of lightweight and easy to carry, fast analysis speed, good stability and high accuracy.

It is mainly used in waste recycling, environment assessment, consumer product safety, metal materials, metal jewelry, petrochemical industry, geological and mineral exploration and other fields, providing value judgment basis for product trade, processing, quality testing, safety audit and recycling in these fields.



Application range

Application range

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 other	Coating material testing and thickness measurement 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, 200μA 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°C~50°C
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.

► Related video



► Related products



PeDX 980S Universal XRF Analyzer

Product introductionAs an accurate and efficient anal...

Know more

[MORE](#)