



## PEDX PORTABLE XRF ANALYZER

PeDX is a portable X-ray fluorescence (XRF) analyzer meets users analysis requirements. It features portability, rapid analysis, stability, and high accuracy. Primarily utilized in waste recycling, environmental assessment, consumer product safety, metal materials, metal jewelry, petrochemical industry, geological and mineral exploration, PeDX serves as a foundational tool for product trade, processing, quality testing, safety audits, and recycling within these sectors.

## **APPLICATIONS**

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PeDX Portable XRF Analyzer, Oil Analyzer

### **Alloy applications**

Positive Material identification , QA/QC, waste sorting

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### **Environmental assessment**

Soil detection, solid waste detection

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### **Consumer compliance and safety screening**

RoHS compliance screening

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## **Geology and Chemistry**

Mineral exploration, ore detection

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## **Precious metal detection**

Jewelry/Precious metal identification, automobile catalyst detection

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## **Oil analysis**

Detection of wear metal in oil

## **FEATURES**

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### **One-click intelligent operation**

The entire analysis process can be finished in just a few seconds. The operation is straightforward, and even those without technical expertise can easily use it.

## Easy customization

Based on the testing, PeDX Portable XRF Analyzer - Oil Analyzer offers a range of customizable settings. Users can adjust test conditions to meet specific detection requirements or modify thresholds for screening purposes, enabling personalized screening of various materials and elements.

## Multiple forms of data output

In PeDX Portable XRF Analyzer - Oil Analyzer analytical data reports can be generated in either PDF or Excel format. When exporting data in Excel format, users have the option to review and edit the data directly within the table. Additionally, users can create customized professional reports that include company logos, addresses, test results, spectrograms, and other sample information such as product descriptions, origins, and batch numbers.

## Accurate and reliable qualitative and quantitative methods

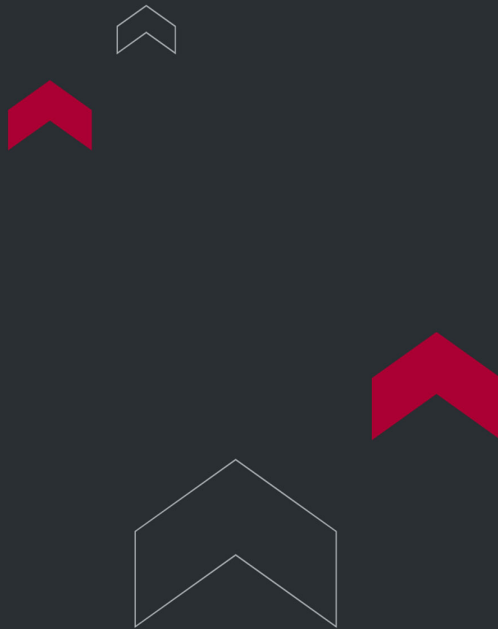
PeDX Portable XRF Analyzer - Oil Analyzer incorporates advanced algorithms like the super-FP algorithm and correction curve method, enhancing the instrument's speed, accuracy, and consistency in measurements.

### TECHNICAL SPECIFICATIONS

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|                  |                       |
|------------------|-----------------------|
| Weight           | 4.1KG                 |
| Size             | 200×200×268mm□ L×W×H□ |
| Sample Room Size | 170×130×60mm□ L×W×H□  |

|                               |                                                                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Excitation Source             | Up to 50kV, 200uA X-ray tube, upper excitation power 4W, Ag/Rh target(Optional)                                                                                                |
| Detector                      | BOOST Si-pin/SDD(Optional)                                                                                                                                                     |
| Detection Range               | Mg—U                                                                                                                                                                           |
| Data Processing               | Built-in 32GB storage<br>USB, can connect the device to the Internet, remote setting and maintenance of the instrument                                                         |
| Air mode                      | Air mode, Helium mode, Vacuum mode(Optional)                                                                                                                                   |
| Safety                        | Built-in X-ray protection (automatic cut-off)<br>Safety interlock, can only open the instrument under the condition of power (closed performance)<br>Radiation indicator light |
| Resolution                    | <136eV                                                                                                                                                                         |
| Operating ambient temperature | -20°C~50°C                                                                                                                                                                     |
| Operating ambient humidity    | 10%~90% relative humidity, non-condensing                                                                                                                                      |
| Display                       | 5.7-inch absorbable color touch screen display                                                                                                                                 |
| Test Time                     | User customize                                                                                                                                                                 |
| Optional                      | Built-in 5-megapixel HD camera                                                                                                                                                 |
| Language                      | English, etc.                                                                                                                                                                  |



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