

- » TrueX TCB XRF Analyzer
- » TrueX Alloy analyzer
- » TrueX Ore analyzer
- » TrueX Soil heavy metal analyzer
- » TrueX RoHS analyzer
- » TrueX Precious metal analyzer
- » TrueX COATXRF Analyzer
- Portable XRF Spectrometer <
- » PeDX OIL Portable XRF Analyzer
- » PeDX GOLD Portable XRF Analyzer
- » PeDX COAT Analyzer
- » PeDX CSA Consumer Product Analyzer

- Desktop XRF Spectrometer <
- » ScopeX CSA
- » ScopeX GOLD Portable XRF Analyzer
- » ScopeX COAT XRF Analyzer
- » ScopeX ASH Analyzer
- » ScopeX Universal XRF Analyzer

- Online XRF <
- » Atmospheric Heavy Metal Analyzer
- » SpebOX

- HPLC <


- X-ray diffraction (XRD) <
- » Shine Portable XRD Analyzer


- Raman Spectrometer <
- » RA200 Handheld Raman Spectrometer
- » Portable XRF- Raman analyzer

- WDXRF spectrometer <
- » Portable single WDXRF spectrometer
- » YANG 700F food heavy Metal Rapid Analyzer

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Introduction

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News

TrueX 880 Universal Analyzer

Product introduction

XRF is one of the most important techniques for component analysis of various inorganic materials. It has the advantages of wide linear range, fast analysis speed, good stability, high accuracy. These advantages enable the analytical technology to be widely used in alloys, environmental assessment, consumer product compliance and safety screening, geochemistry, precious metal testing, oil analysis, coating thickness measurement and other fields.

LANScientific TrueX 880 is a hand-held X-ray fluorescence (XRF) devices which is tailored for user requirements, it can simultaneously measure the samples in the main, time, micro, trace elements, simple sample preparation. Sample size, shape, diversity, suitable for large-scale continuous analysis, process control, product quality inspection.




Application range	
Alloy application	PMI, QA/QC, Waste sorting
Environmental assessment	Soil detection, solid waste detection
RoHS	RoHS compliance screening
Geological chemistry	Mining exploration, ore detection
Precious metal detection	Identification of jewelry/precious metals, detection of automobile catalysts (three-way catalytic converter recovery)
Oil analysis	Detection of wear metals in oil products
The plating thickness	Coating material testing and thickness measurement

Technical parameters and specifications	
Weight	1.6Kg(with battery)
Size	254 x 79 x 280 mm(L x W x H)
Excitation source	Up to 50KV/200µA, Pressure and flow can be adjusted freely, W/Ag/Rh target (optional)
Detector	Si-Pin
Detection range	Mg-U
Display	Industrial resistive touch screen Special operating system and LANScientific analysis software The operating languages include Chinese, English and many other languages Automatically adjust the brightness of the display according to the brightness of the external environment
Data processing	Built-in 32GB storage. USB, Bluetooth, WIFI, the device can be connected to the Internet, remote setting and maintenance of the instrument are available. Data can be output in EXCEL and PDF format, and users can customize and create professional reports, including company logo, company address, test results, spectral spectrum and other sample information (such as product description, origin, batch number, etc.)
Heat dissipation	The instrument is equipped with special T-groove heat dissipation device, which improves the heat dissipation performance of the instrument and eliminates the need to frequently wait for the detector to cool down
Security	Built-in DoubleBeam™ technology automatically detects whether there are samples in front of it, increasing the safety and protection level of radiation Waterproof, dustproof and shockproof suitcase LANScientific special safety rope
Power supply system	With MSBUS intelligent battery, real-time monitoring battery, standby battery can directly view the remaining battery capacity, the battery complies with the regulation of transport of Dangerous goods by air A single battery lasts about 8 hours

Product detail	
Performance advantages	
1.Easy to carry	
The instrument is smaller and lighter in weight, and the body is designed to be skid resistant and wear resistant, which makes it easy to carry and transport.	
High quality imported detector, in addition, the instrument is also equipped with high strength protection box, has a good moisture-proof, shockproof, dustproof function.	
2.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.	
3.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.	
4.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.).	
5. Perfect safety protection	
The radiation indicator lights on the left and right sides of the device automatically breathe during the measurement process, and the built-in DoubleBeam™ technology automatically detects whether there is a sample in front of the device, improving radiation safety and protection levels.	
6.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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