

Handheld XRF Soil Analyzer

ATX3600S

Features

- 720×1280 high resolution 5.5 inches
- Automatically calibrate instruments
- Configure Microsoft and Windows 10 systems
- Lightweight and portable
- Convenient human-computer interaction experience;
- Equipped with Intel 2133MHz high-performance quad-core processor
- 256GB solid state drive
- The detection speed is extremely fast, and the results are displayed in 1 second;
- Simultaneous qualitative and quantitative analysis of multiple elements
- Data transmission via mobile phone 4G, shared hotspot, WiFi and mobile APP;
- Output test reports in customer-defined formats
- On-site non-destructive testing

Application

- Heavy metals in soil (PPM level) Real-time heavy metal inspection at construction or abandoned sites
- Lead (PB) pollution removal, prevention and control, detection of heavy metal elements in solid waste
- Burning wires, waste liquids, slag, and migrating debris caused by bad weather
- Industrial and Mining Surrounding Environment

Description

ATX3600S can quickly analyze the risk of soil pollution in "agricultural land and construction land" on site, and can accurately detect eight heavy metal elements in the soil, and can quickly detect heavy metals such as CD, CR, SE, HG, PB, CU, ZN, AS, and SB in the soil. Element content, low sample requirements, and accurate test results. Accurate analysis of high-concentration samples eliminates the need for confirmatory experimental tests to delineate the scope of contaminated areas and directly analyzes the surface of formation rock samples to determine the depth of contamination.

It has an exclusive intelligent system to effectively prevent human error. Configure special analysis software for mobile windows. Automatic stop function, if there is no object to be measured in front of the window, the instrument will automatically stop testing after 2 seconds. The instrument adopts FP Method. There is no need to know the type of test sample before testing, and there is no need to select a test curve. The test results can be converted to Excel output, and can also be transferred to a personal computer or directly transferred to a laptop using Bluetooth.

The detection accuracy is extremely high. The average statistical function of multiple tests can effectively improve the detection accuracy of the instrument. Intelligent detection of irregularly assembled or very small samples, such as hair (0.06MM) thin wires, can also be immediately tested and identified. The extendable probe can detect hard-to-reach locations such as pipe inner walls, welds, and small components. The instrument is made of aluminum alloy, which has stronger heat dissipation ability, vibration resistance, and automatic anti-radiation safety device.



1. Parameter

Table 1 ATX3600S performance parameters

Model	ATX3600S
Weight	≤1.5kg
Size	245mm x 86mm x 310mm (length width height)
Excitation Source	High power and high performance X-ray tube
	Target material: 5 types to choose from Au、Ag、W、Ta、Pb
	Voltage: 50kv;
Filter	A variety of filters are available, automatically adjusted according to different detected objects;
Detector	Highly sensitive Si-Pin/SDD detector; (resolution \cong 180eV)
Detector Cooling Temperature	Peltier effect semiconductor refrigeration, cooling temperature -35°C
Standard Film	External 316 standard piece/window protective cover;
Processor	Intel 2133MHz high-performance quad-core processor;
Operating System	Microsoft Windows 10 system (latest version);
Data Processing	256GB, solid state drive, memory DDR4 4GB;
Data Analysis	Automatic scanning is equipped with professional intelligent analysis software, which has the advantages of intelligence, fast speed and simple operation. The entire analysis process takes only a few seconds to complete
Data Display	Display accurate to percentage (%), spectrum or peak intensity (count rate)
Data Transmission	Mobile phone 4G, shared hotspot, WiFi and mobile APP for data transmission
Display	720×1280 high-resolution 5.5-inch mainstream capacitive screen, automatic photosensitivity for clear visibility, and intelligent human-machine interface;
Appearance Design	Integrated body design, sturdy, waterproof, dustproof and anti-freeze, effectively anti-vibration, suitable for use in humid or low-temperature outdoor environments;
Safe Operation	One-touch "trigger", the software has self-locking and other protection functions;
Analyze Elements	Ti、V、Cr、Mn、Fe、Co、Ni、Cu、Zn、Hf、Ta、W、Hg、Se、Au、Br、Pb、Bi、Zr、Nb、Mo、Ag、Cd、Sn、Sb、Re、Ir、Pt、Hg、Ru、Rh、Pd and other elements
Test Environment Conditions	Temperature -20 ~ +40°C, humidity <80%RH

2. Naming rules and purchasing guide

Table 2 ATX3600S product selection table

Model	Application
ATX3600S	Soil

Note:

*1: Analysis element types can be customized

Ordering Guide:

Naming example:

- ATX3600S: used in Soil field.

3. Appearance

