

Handheld RoHS Analyzer

ATX3100R

Features

- High-power and high-performance miniature straight-plate electronic X-ray tube, low-voltage current up to 200uA
- The host and battery case are charged at the same time
- Ultra-short distance detection window structure
- multi-beam technology

Application

- Construction - Renovation - Repair
- Recycling products
- Consumer electronics products

Description

ATX3100R is a handheld RoHS analyzer using X-ray fluorescence spectroscopy technology. With the continuous promotion of X-ray fluorescence spectrometry analysis technology, the use of X-ray fluorescence spectrometer analysis and detection has become the main means of quality control in many industries.

The ATX3100R analyzer can effectively control harmful elements in restricted commodities and meet regulatory regulations and detection methods for restricted hazardous substances developed around the world.

ATX3100R is a portable multi-purpose handheld X-ray fluorescence spectrometer that is small in size, fast in analysis speed, multi-functional and high-precision for reliable identification (PMI) and confirmation of materials.

The main feature is that it is easy to carry and suitable for rapid on-site analysis. It works on rechargeable batteries and is suitable for complex and harsh environments on site.



1. Parameter

Table 1 Atx3100R Handheld Rohs Analyzer Configuration

Model	Remark
Test Range	Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers
Excitation Source	American Moxtek X-ray tube (4W, 50kv variable high voltage)
Detector	SDD detector
Cooling System	Peltier thermostatic cooling system
Filter	High-performance multiple filters can be automatically switched
Voltage	50kv variable high voltage
Display	High resolution Blanview transmissive backlit color touch screen
Battery	1 lithium battery
Camera Function	The PLUS version has a built-in camera that can record and analyze images
Smart System	Accelerometer; barometer, can be corrected for atmospheric pressure when detecting light elements
Data Storage	SD card has massive storage and can store more than 100,000 pieces of data
Data Transmission	USB, Bluetooth (supports Microsoft universal online program driver)
Operating System	Customized windows CE 6.0 system
Size	220mm*150mm*220
Weight	1.6kg
Safety	Safety complies with the provisions of laws and regulations such as the "Law of the People's Republic of China on the Prevention and Control of Radioactive Pollution", "Regulations on the Safety and Protection of Radioisotopes and Radiation Devices"

2. Applications

Lead (Pb) Examples of using this substance: solder, glass, PVC stabilizer;

Mercury (Hg) (Mercury) Examples of uses of this substance: thermostats, sensors, switches and relays, light bulbs;

Cadmium (Cd) Examples of the use of this substance: switches, springs, connectors, housings and PCBs, contacts, batteries;

Hexavalent Chromium (Cr⁶⁺) Examples of use of this substance: Metal anti-corrosion coatings;

Polybrominated biphenyls (PBBS) Examples of uses of this substance: flame retardants, PCBs, connectors, plastic housings;

Polybrominated diphenyl ethers (PBDE) Examples of uses of this substance: flame retardants, PCBs, connectors, plastic housings.