

## TrueX G5/G7 Handheld XRF Gold Analyzer

### Features

1. Small, light and easy to carry.
2. High-speed processing chip, advanced algorithm and high-responsive software, resulting in even faster analysis.
3. High-performance X-ray Tube, Ultra-high Resolution Detector combined with Digital Multi-channel Processing Technology, yielding super-high detection resolution.
4. Industrial resistive touch screen, superior to capacitor screen in back-light and clearer against sunlight in the field. At the same time, people don't need to take off gloves when they are operating machine in some particular environment.
5. Intelligent battery management exerts a real-time monitoring of the residual capacity of battery and backup battery through MSBUS bus.
6. Automatic switch to standby mode when not used and recovery after the machine is picked up, which saves power and extends working time; moreover, TrueX has a gravity sensing system which shuts down instrument automatically when it accidentally falls down, another safety consideration; TrueX will also give out alarm when ambient temperature or humidity exceeds the scope of application.
7. On TrueX, users can customize the reports by adding their company logos, addresses, test results, spectrum and others (such as product description, origin of products and batch number).
8. TrueX is built with double beam technology which can automatically sense whether there is a sample at the measurement window. This is also a safety and protection feature. The brightness of the display of TrueX is automatically regulated according to environment brightness.
9. TrueX can be configured and maintained in a remote way via Internet.
10. TrueX's new algorithm optimizes the spectral resolution, so lower detection limits can be achieved, which are comparable with even large-scale lab instruments.
11. TrueX Ultra-short optical™ path design can significantly improve light element excitation effects, without the fall/fill condition.
12. TrueX has a built-in environmental sensing system covering conditions such as temperature, dust humidity and others.

### Application fields

- Nondestructive, rapid and accurate analysis of Precious Metals
- Precious Metals Grade identification
- Precious Metals elements and contents analyze
- Pawn broking, jewelry industry, banking industry, jewelry testing center, mining industry, precious metal recycling, precious metal materials researching laboratory., etc.
- Precious metal. Such as gold, Karat gold, platinum, silver.
- Mixed metal or other alloy metal.
- Jewelry materials. Such as ring, necklace, bracelet, watchband, belt fastener, gold ingot, gold bar, statue, coin., etc.



## Elements to be Analyzed and Test Modes

Test modes of TrueX and elements covered	
Analysis mode	Scope of elements in standard test mode can be extended if there is such a need.
TrueX G5/G7	Can analyze Fe,Co,Ni,Cu,Zn,Se,Ru,Rh,Pd,Ag,Cd,In,Ir,Pt,Au,Pb

### Usage

(1)karat value, percentage content for gold

(2)PT value, percentage content for platinum

(3)S value, percentage content for silver

(4)Percentage content for other alloy.

•Wide karat value for gold display from 9K to 24K and % percentage content.

•Wide PT value for platinum display from PT600 to PT1000 and % percentage content.

•Wide S value for silver display from S600 to S1000 and % percentage content.

## Specifications

Excitation source	Up to 50KV/200 $\mu$ A, tube pressure and tube flow can be adjusted freely, Target Ag (standard), Au(optional), W(optional), Rh(optional).
Detector	TrueX G5 Si-PIN detector/TrueX G7 SDD detector
Range of detection	All elements between Mg and U.
Display system	Industrial resistive touch screen with screen size of 4.3". Professional operating system and software. Multiple languages including English and Chinese. And it automatically adjusts display brightness according to the environment brightness.
Data processing	32GB memory. USB, Bluetooth, wifi can connect the device to the Internet, repair and setup can be done remotely. Data can be exported as EXCEL or PDF. Users can customize the reports by adding their company logos, addresses, test results, spectrum and others (such as product description, origin and batch number).
Heat dissipation	Equipped with a dedicated T-shaped radiator to dissipate the heat; no need to wait for cooling of detector.
Safety	Built-in double beam technology can automatically sense whether there is a sample at the measurement window. This is also a safety and protection feature. Waterproof, dust-proof and shockproof suitcase.
Power supply system	Intelligent battery with MSBUS bus, real-time monitoring battery, spare battery can directly check the remaining capacity of the battery, the battery complies with air dangerous goods transport regulations. A single battery can work for about 8 hours.
Weight	1.5Kg
Dimensions	254 × 79 × 280 mm ( L × W × H ) .