



# Portable Precious Metal Analyzer

## XF-A7

شرکت ابزار طب  
واحد کننده تجهیزات  
پزشکی - تجهیزات - علمی  
تاسیس ۱۳۹۲

تهران، خیابان مطهری، خندان فیر، پلاک 38

021-88832100  
021-88321727  
021-88321728  
www.abzarteb.com  
abzar.teb



- AMPTEK customized Si-PIN
- Built-in quad-core CPU computer
- IPS display and capacitive touchscreen
- Adopts a new vertical optical path, the analyzer is fast, stable and accurate



### Features

- \* Analysis elements: K(No.19) ~ U(No.92)
- \* Up to 24 elements can be evaluated simultaneously
- \* Analysis range: 0.01% ~ 99.99%
- \* Accuracy: ±0.03%
- \* Test sample: solids /liquids/Powder
- \* Customized TCP/IP protocol API interface,support the external network to control the machine, state monitoring and data collection
- \* Actual focal spot:  $\phi$  3mm
- \* Support multi-point continuous test, high test efficiency
- \* Built-in XRF industrial computer with ARM quad-core + Linux kernel, no fear of Trojans and virus software
- \* 9.7-inch build-in integrated IPS display + capacitive touchscreen

Easy to operate  
non-destructive analysis

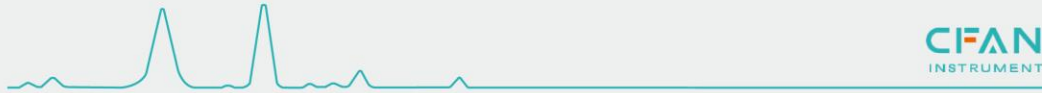


One-key test smart test  
7 seconds can get intuitive results

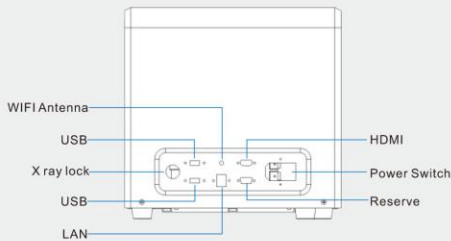
Detects 20+ Elements  
Precisely close to Fire Assay



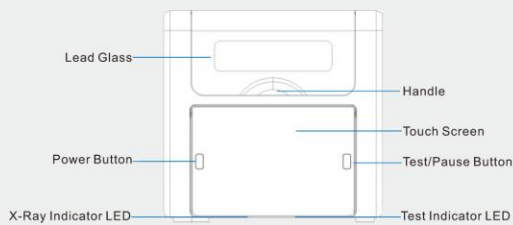
Lead(Pb) glass to guarantee  
100% human safe



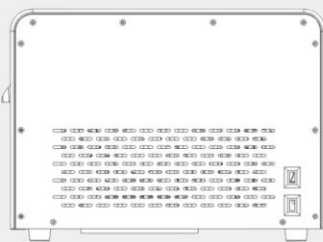
### Back



### Front



### Right



### Specification

|                              |                                |
|------------------------------|--------------------------------|
| Input voltage                | AC100 ~ 240V, 50Hz             |
| Package size                 | 800 x 535 x 450mm              |
| Machine size                 | 467 x 345 x 336mm              |
| Sample chamber size          | 306 x 248 x 124mm              |
| Rated power                  | <150W                          |
| Gross weight                 | 50KG                           |
| Detector                     | AMPTEK customized Si-PIN       |
| Built-in industrial computer | NXP IMX8quad-core Cortex-A53   |
| HV power supply              | 50KV/1mA digital HV            |
| X-ray tube                   | 50KV/1mA                       |
|                              | Window material : glass window |
|                              | Target material : wolfram      |
|                              | Focus: $\phi$ 0.5mm            |
| Collimator                   | $\phi$ 2.5mm                   |
| Noise                        | $\leq$ 50dB                    |
| Temperature                  | 15°C ~ 31°C                    |
| Humidity                     | <70% (Noncondensing)           |

### Application

- jewelry store
- Pawn
- Gold and silver COINS, collectors
- Jewelry factory
- Jewelry school
- Professional laboratory
- Quality inspection institutions
- Metal handicraft industry
- Precious metals smelting,
- Purification of precious metals,
- Precious metals recycling,
- Geoscientific prospecting
- Industry, rare metals
- Alloy material detection

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