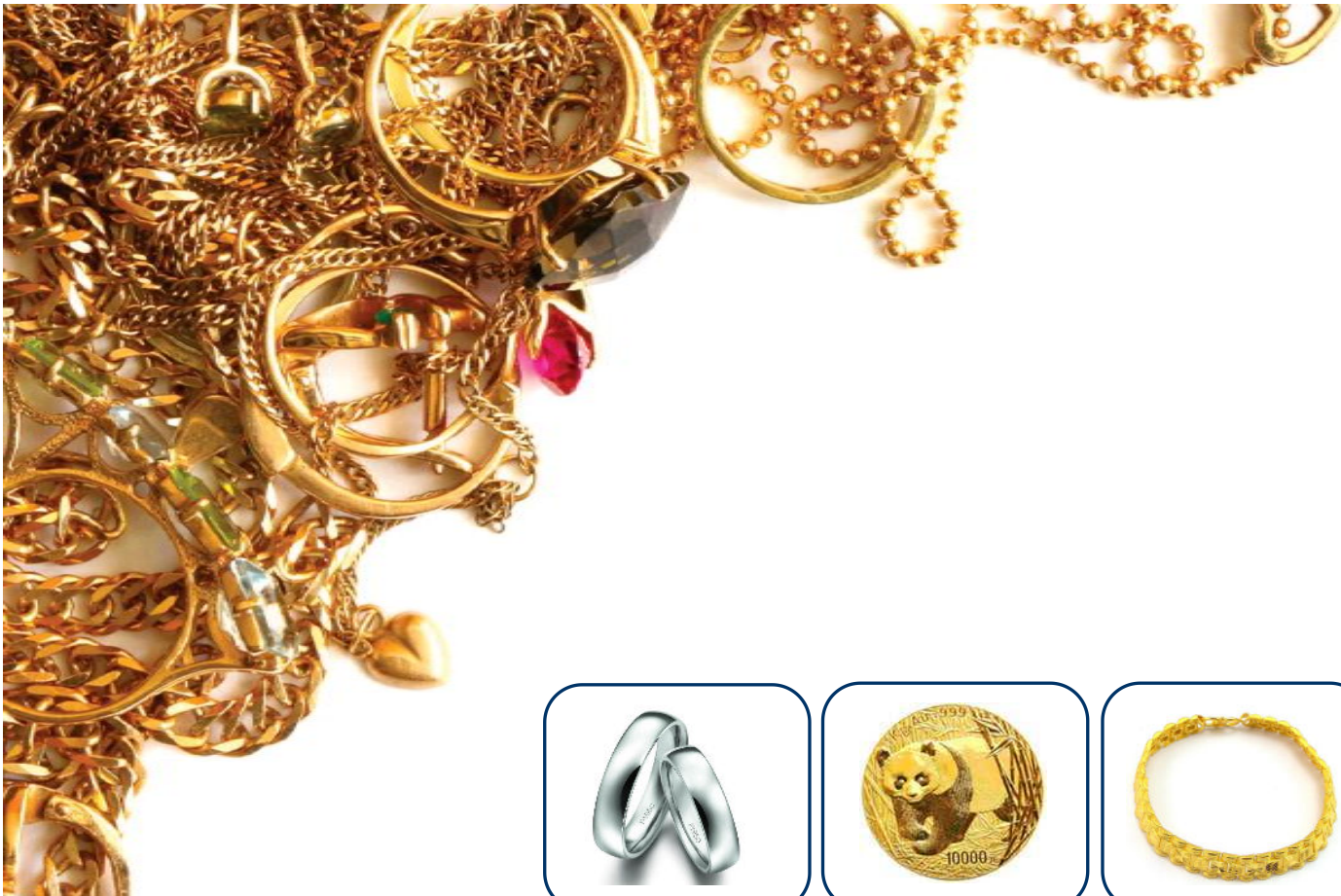


# X-Ray Fluorescence Spectrometer



			
CDO-N3	CDO-X5	CDO-T6	PG7

CODCAST INSTRUMENT

XRF gold tester/analyzer is a widely used, proven, and accepted method of chemistry analysis and determination of purity and authenticity of precious metals. Given the current high value of gold, quantifying its fineness and purity is more important than ever. Whether you buy gold, sell or produce jewelry, make metals, or recycle scrap metal, you need a fast, highly accurate method to determine karatage quality control and pricing.

### **Advantages and Characteristics of CDOCAST Precious Metals Analyzer**

1. Integrated an inbuilt computer with high industrial motherboard and multi- point hand touch, you don't need to prepare other computers, it can bring you super smooth experience feelings.
2. Three core components inside the instrument are all imported, so it determines that the instrument can accurately distinguish different gold samples especially 99.9% gold and 99.99% gold.
3. The instruments possess own unique mode of "one-key test" , it is China first and same as Europe's top spectrometers. No matter any unknown metal material, the operators don' t need to choose test templates and software intelligently matches the best way to measure and calculate. They are capable of fast, precise and non-destructive metal testing, making them suitable for use by jewelry retailers, jewelry manufacturers, precious metal refineries, pawn shops, government quality inspection departments, banks, laboratories and tertiary institutions.
4. Super long warranty, confidence comes from pure European spectrometer production technology.
5. The users can see sample test position accurately by camera and cabin lighting system, and

it can improve the testing confidence of users.

6. Equipped with a variety of optical collimator, breakthrough solved test problems of tiny metal samples (such as spun gold and gold thread samples) .
7. We can download and upload test data from network, and it is easy to view and share test results.
8. Temperature drift rate of all the parts inside instrument is controlled within one over one million, ensuring the strong stability and high precision of instrument. Testing results can show 4 digits after the decimal point, beyond all domestic spectral type precious metals analyzer.
9. Ultrahigh resolution, Super clear camera, Super convenient operation, Super fast detection speed, Perfect human interface.
10. Installation & after-sales: all the installation and after sales can be done on the remote control system, that means you just need to connect your tester machine with the computer, our engineer can install ,upgrade, and do the after-sales for you from the remote system, which will make everything convenient for you.
11. Upgrade system: Our program is developed & researched by ourself, we will develop our testing system many time per year, and each time upgrade is free for you the whole life, most of the supplier purchase program in the market, they seldom upgrade the testing system.



## CDO-N3 Precious Metal XRF Analyzer (Economic model)

### Performance and Configuration:

♦ Analysis Range	1ppm to 99.99%
♦ Accuracy	±0.1%
♦ Sample Form	Solid, powder, liquid
♦ High Voltage Power Supply	0 ~ 50KV/0~1MA
♦ Detector Type	Gas proportional Detector
♦ Test Time	10 sec ~ 60 sec
♦ Measuring Element	Au / Ag / Pt / Pd / Cu
♦ Integrated Computer	Intel SandyBridge highly integrated industrial Motherboard
♦ External Dimensions	410 x 500 x 430 mm
♦ Net/Gross Weight	33 / 45 Kg



### Instruments Environmental Requirements:

♦ Ambient Temperature	-11~46°C/Humidity ≤70%
♦ Power Requirements	AC 220V ± 5V, 50/ 60 Hz

No high power electromagnetic and vibration interference sources nearby

## CDO-X5 XRF Metal Analyzer

### Performance and Configuration:

◆ Analysis Range	0.01% to 99.99%
◆ Accuracy	±0.05%
◆ Sample Form	Solid, powder, liquid
◆ High Voltage Power Supply	50KV/1mA digital HV
◆ Detector Type	Si-Pin detector (Customized)
◆ Test Time	10 sec ~ 60 sec
◆ Measuring Element	Au, Ag, Pt, Pd, Re, Ir, W, cd, Cu, Ni, Zn, Rh, Ru, Fe, Co, Os, Pb, Sn, In, Mn
◆ Collimator	Φ2.5mm
◆ Computer	Built in computer, Intel i5 3320M computer
◆ Display screen	12-inch build-in integrated IPS display + capacitive touch screen
◆ Printing method	Supports thermal printing and A4 printing of reports
◆ External Dimensions	520 x 450 x 400 mm
◆ Net/Gross Weight	38 / 50 Kg



### Instruments Environmental Requirements:

◆ Ambient Temperature	5 ° C ~ 30 ° C (Suggested that in air conditioning room)
◆ Relative Humidity	15% ~ 85% (Noncondensing)
◆ Power Requirements	AC 220V ± 5V, 50/ 60 Hz
◆ Rated power	<150W

No high power electromagnetic and vibration interference sources nearby

## CDO-T6 XRF Metal Analyzer

### Performance and Configuration:

♦ Analysis Range	0.01% to 99.99%
♦ Accuracy	<b>±0.03%</b>
♦ Sample Form	Solid, powder, liquid
♦ High Voltage Power Supply	50KV/1mA digital HV
♦ Detector Type	<b>Si-Pin detector (Made in Germany)</b>
♦ Test Time	10 sec ~ 60 sec
♦ Measuring Element	<b>All metal elements from K(No.19) ~ U(No.92)</b>
♦ Collimator	Φ2.5mm
♦ Computer	Built in computer, i5-1035G7 Window 11
♦ Display screen	11.6 inch touch screen
♦ X-ray tube	50W (50 kV, 1mA) micro-focused tungsten ray tube
♦ Safety protection	Equipped with a dedicated T-shaped radiator to dissipate the heat; no need to wait for cooling
♦ Printing method	Supports thermal printing and A4 printing of reports
♦ External Dimensions	330 x 580 x 360 mm
♦ Net/Gross Weight	40 / 60 Kg



### Instruments Environmental Requirements:

♦ Ambient Temperature	10 ° C ~ 35 ° C (Suggested that in air conditioning room)
♦ Relative Humidity	40% ~ 70% (Noncondensing)
♦ Power Requirements	AC 220V ± 5V, 50/ 60 Hz
♦ Rated power	100W

No high power electromagnetic and vibration interference sources nearby

## CDO-S6 XRF Metal Analyzer

### Performance and Configuration:

◆ Analysis Range	0.01% to 99.99%
◆ Accuracy	<b>±0.03%</b>
◆ Sample Form	Solid, powder, liquid
◆ High Voltage Power Supply	50KV/1mA digital HV
◆ Detector Type	<b>Si-Pin detector (Made in Germany)</b>
◆ Test Time	10 sec ~ 60 sec
◆ Measuring Element	<b>All metal elements from K(No.19) ~ U(No.92)</b>
◆ Collimator	Φ2.5mm
◆ Computer	Built in computer, i5-1035G7 Window 11
◆ Display screen	11.6 inch touch screen
◆ X-ray tube	50W (50 kV, 1mA) micro-focused tungsten ray tube
◆ Safety protection	Equipped with a dedicated T-shaped radiator to dissipate the heat; no need to wait for cooling
◆ Printing method	Supports thermal printing and A4 printing of reports
◆ External Dimensions	360 x 510 x 350 mm
◆ Net/Gross Weight	31 / 53 Kg



### Instruments Environmental Requirements:

◆ Ambient Temperature	10 ° C ~ 35 ° C (Suggested that in air conditioning room)
◆ Relative Humidity	40% ~ 70% (Noncondensing)
◆ Power Requirements	AC 220V ± 5V, 50/ 60 Hz
◆ Rated power	100W

No high power electromagnetic and vibration interference sources nearby



## CDO-X6M XRF Metal Analyzer

### Performance and Configuration:

♦ Analysis Range	0.01% to 99.99%
♦ Accuracy	<b>±0.05%</b>
♦ Sample Form	Precious metal alloy/Liquid
♦ HV power supply	0-50KV/1mA/50W
♦ Resolution ratio	144±5eV
♦ Detector Type	<b>Si-Pin detector (Customized)</b>
♦ Test Time	10 sec ~ 60 sec
♦ Measuring Element	<b>All metal elements from K(No.19) ~ U(No.92)</b>
♦ Collimator	Φ2.0mm
♦ X-ray tube	5-50KV/1mA, W target glass tube
♦ Multi-point continuoustest	Supporting multi-point continuoustest, highest efficiency
♦ Display screen	Touch screen
♦ Printing method	Supports thermal printing and A4 printing of reports
♦ Test chamber size	260 x 230 x 233 mm
♦ External Dimensions	410 x 320 x 350 mm
♦ Net/Gross Weight	32 / 52 Kg



### Instruments Environmental Requirements:

♦ Ambient Temperature	15 ° C ~ 31 ° C (Suggested that in air conditioning room)
♦ Relative Humidity	40% ~ 70% (Noncondensing)
♦ Power Requirements	AC 220V ± 5V, 50/ 60 Hz

No high power electromagnetic and vibration interference sources nearby



## CDO-PM350 XRF Metal Analyzer

### Performance and Configuration:

♦ Analysis Range	0.01% to 99.99%
♦ Accuracy	<b><math>\pm 0.05\%</math></b>
♦ Sample Form	Solid, powder, liquid
♦ HV power supply	0-50KV/1mA/50W
♦ Resolution ratio	144 $\pm$ 5eV
♦ Detector Type	<b>Si-Pin detector (Made in USA)</b>
♦ Test Time	10 sec ~ 60 sec
♦ Measuring Element	<b>All 74 kinds of metal elements from Potassium (K) to Uranium (U)</b>
♦ Collimator	$\phi 2.0\text{mm}$
♦ X-ray tube	5-50KV/1mA, W target glass tube
♦ Multi-point continuoustest	Supporting multi-point continuoustest, highest efficiency
♦ Display screen	Touch screen
♦ Printing method	Supports thermal printing and A4 printing of reports
♦ Test chamber size	307 x 268 x 97 mm
♦ External Dimensions	414 x 416 x 362 mm
♦ Net/Gross Weight	28 / 45 Kg



### Instruments Environmental Requirements:

♦ Ambient Temperature	10 ° C ~ 35 ° C (Suggested that in air conditioning room)
♦ Relative Humidity	35% ~ 70% (Noncondensing)
♦ Power Requirements	AC 220V $\pm$ 5V, 50/ 60 Hz

No high power electromagnetic and vibration interference sources nearby

## PS7 XRF Metal Analyzer (SDD)

### Performance and Configuration:

♦ Analysis Range	0.01% to 99.99%
♦ Accuracy	<b>±0.01%</b>
♦ Sample Form	Solid, powder, liquid
♦ High Voltage Power Supply	50KV/1mA digital HV
♦ Detector Type	<b>SDD detector (Made in USA)</b>
♦ Test Time	10 sec ~ 60 sec
♦ Measuring Element	<b>All metal elements from Al(No.13) ~ U(No.92)</b>
♦ Collimator	Φ1.5mm
♦ Tube window	Glass
♦ Optical structure	Vertical optical path
♦ Camera	Built-in 5-megapixel HD CMOS color camera
♦ Display screen	11.6-inch large capacitive touchscreen
♦ Printing method	Supports thermal printing and A4 printing of reports
♦ Test chamber size	262 x 297 x 110 mm (W×D×H)
♦ External Dimensions	360 x 525 x 345 mm (W×D×H)
♦ Net/Gross Weight	34.5 / 50 Kg



### Instruments Environmental Requirements:

♦ Ambient Temperature	10 ° C ~ 35 ° C (Suggested that in air conditioning room)
♦ Relative Humidity	40% ~ 70% (Noncondensing)
♦ Power Requirements	AC 100 - 240V, 50/ 60 Hz
♦ Rated power	100W

No high power electromagnetic and vibration interference sources nearby

## PG7 XRF Metal Analyzer (SDD)

### Performance and Configuration:

♦ Analysis Range	0.01% to 99.99%
♦ Accuracy	<b>±0.01%</b>
♦ Sample Form	Solid, powder, liquid
♦ High Voltage Power Supply	50KV/1mA digital HV
♦ Detector Type	<b>SDD detector (Made in USA)</b>
♦ Test Time	10 sec ~ 60 sec
♦ Measuring Element	<b>All metal elements from Al(No.13) ~ U(No.92)</b>
♦ Collimator	Φ1.5mm
♦ Manual sample XY platform	Moving range: 50x50 mm
♦ X-ray tube	50W (50 kV, 1mA) micro-focused beryllium window
♦ Camera	High resolution CMOS color camera, 5 million pixels
♦ Safety protection	Equipped with a dedicated T-shaped radiator to dissipate the heat; no need to wait for cooling
♦ Printing method	Supports thermal printing and A4 printing of reports
♦ Test chamber size	320 x 480 x 130 mm (W×D×H)
♦ External Dimensions	330 x 580 x 360 mm (W×D×H)
♦ Net/Gross Weight	40 / 60 Kg



### Instruments Environmental Requirements:

♦ Ambient Temperature	10 ° C ~ 35 ° C (Suggested that in air conditioning room)
♦ Relative Humidity	40% ~ 70% (Noncondensing)
♦ Power Requirements	AC 100 - 240V, 50/ 60 Hz
♦ Rated power	100W

No high power electromagnetic and vibration interference sources nearby