X-Ray Fluorescence Spectrometer

			
CDO-N3	**CDO-X5**	**CDO-T6**	**PG7**

CODCAST INSTRUMENT

E-mail: sales@cdocast.com Whatsapp/Tel: +86-15168765707 Website: www.cdocast.com

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 delevop 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℃/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, lr, 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

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CDO-T6 XRF Metal Analyzer

Performance and Configuration:

- **Analysis Range** 0.01% to 99.99%
- **Accuracy** **±0.03%**
- **Sample Form** Solid, powder, liquid
- **High Voltage Power Supply** 50KV/1mA digital HV
- **Detector Type** **Si-Pin detector (Made in Germany)**
- **Test Time** 10 sec ~ 60 sec
- **Measuring Element** **All metal elements from K(No.19) ~ U(No.92)**
- **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

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CDO-S6 XRF Metal Analyzer

Performance and Configuration:

- **Analysis Range** 0.01% to 99.99%
- **Accuracy** **±0.03%**
- **Sample Form** Solid, powder, liquid
- **High Voltage Power Supply** 50KV/1mA digital HV
- **Detector Type** **Si-Pin detector (Made in Germany)**
- **Test Time** 10 sec ~ 60 sec
- **Measuring Element** **All metal elements from K(No.19) ~ U(No.92)**
- **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

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CDO-X6M XRF Metal Analyzer

Performance and Configuration:

- **Analysis Range** 0.01% to 99.99%
- **Accuracy** **±0.05%**
- **Sample Form** Precious metal alloy/Liquid
- **HV power supply** 0-50KV/1mA/50W
- **Resolution ratio** 144±5eV
- **Detector Type** **Si-Pin detector (Customized)**
- **Test Time** 10 sec ~ 60 sec
- **Measuring Element** **All metal elements from K(No.19) ~ U(No.92)**
- **Collimator** ϕ2.0mm
- **X-ray tube** 5-50KV/1mA, W target glass tube
- **Multi-point continuoustest** Supporting multi-point continuoustest, hightest 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

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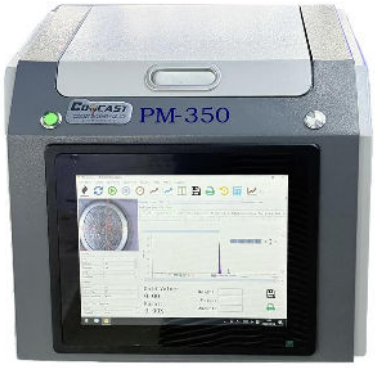
CDO-PM350 XRF Metal Analyzer

Performance and Configuration:



- **Analysis Range** 0.01% to 99.99%
- **Accuracy** **±0.05%**
- **Sample Form** Solid, powder, liquid
- **HV power supply** 0-50KV/1mA/50W
- **Resolution ratio** 144±5eV
- **Detector Type** **Si-Pin detector (Made in USA)**
- **Test Time** 10 sec ~ 60 sec
- **Measuring Element** **All 74 kinds of metal elements from Potassium (K) to Uranium (U)**
- **Collimator** ϕ2.0mm
- **X-ray tube** 5-50KV/1mA, W target glass tube
- **Multi-point continuoustest** Supporting multi-point continuoustest, hightest 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 ± 5V, 50/ 60 Hz

No high power electromagnetic and vibration interference sources nearby

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PG7 XRF Metal Analyzer

Performance and Configuration:

- **Analysis Range** 0.01% to 99.99%
- **Accuracy** **±0.01%**
- **Sample Form** Solid, powder, liquid
- **High Voltage Power Supply** 50KV/1mA digital HV
- **Detector Type** **Fast-SDD detector (Made in USA)**
- **Test Time** 10 sec ~ 60 sec
- **Measuring Element** **All metal elements from K(No.19) ~ U(No.92)**
- **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
- **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 100 - 220V ± 5V, 50/ 60 Hz
- **Rated power** 100W

No high power electromagnetic and vibration interference sources nearby

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