

3600E

Gold Purity Testing Meter/ Karat Meter



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Analysis of Precious Metals and Identification of Carats:

The XRF Analyzer provides users with an easy-to-use, cost-effective inspection technology no need to inspect the tool into the material of the sample being tested, or damage the sample. The chemical composition information of the alloy can be obtained. thus determines the carat rating of the sample. Whether you are buying precious metals such as gold, selling or producing jewelry, making metals, or recycling used metals, you need a quick way to determine the carat grade and other precious and non-precious metal content with extreme precision. In the first time, to effectively control product quality, set a reasonable price. The xrf analyzer quickly provides accurate analysis of all types of samples.

At present, the use of XRF analyzer for chemical composition analysis and purity determination of precious metals has become a widely used, extremely popular, and supported by national standards, and reliable methods. The use of XRF for the analysis of precious metals is a faster and more economical method of multi-element detection than spark test and chemical reagent testing.

Advantages and Characteristics of Analysis:

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", 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 spectrometer production technology
5. The instruments have an innovative function that can help customers identify gold-plated samples
6. The users can see sample test position accurately by camera and cabin lighting system, and it can improve the testing confidence of users
7. Equipped with a variety of optical collimator, breakthrough solved test problems of tiny metal samples (such as spun gold and gold thread samples)

8. We can download and upload test data from network, and it is easy to view and share test results

9. 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

10. Ultrahigh resolution, Super clear camera, Super convenient operation, Super fast detection speed, Perfect human interface

Hardware Performance and Advantages

High-resolution, high-definition camera, convenient operation, fast detection speed, user-friendly interface

Instrument Performance and Configuration

Model	3600E
Computer Built In	No
Detector Type	Si-pin
Multichannel Analyzer	Digital multichannel
Sample Chamber Size	400*300*80mm
Test Time	5sec ~ 60sec
Measuring Element	72 elements from sodium (Na) to uranium (U) between all elements
Analysis Range	0.01% to 99.99%
Accuracy	0.03% (Au≥96%)
Sample Form	Solid, powder, liquid
Tube Voltage	5KV ~ 50KV
Power Supply	0 ~ 50KV
Camera	HD camera
Filters	Selectable customized switches
Analysis Softwear	Qualitative and quantitative analysis software
Dimensions	400*300*300(mm)
Weight	25Kg
Ambient Temperature	5 ° C ~ 38° C (Suggested that in air conditioning room)
Relative Humidity	15% ~ 90%
Power Requirements	AC 220V ± 10V, or AC 110V ± 10V, 50/ 60 Hz No high power electromagnetic and vibration interference sources nearby

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



LCMS



Automated Prep-Flash
Chromatography system



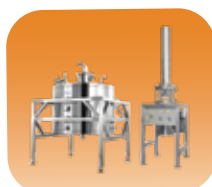
Maldi TOF



Optima Gas
Chromatograph



Flash
Chromatograph



DAC
Column



GCMS
3068



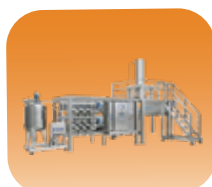
UHPLC



HPTLC



Ion Chromatograph



Production
HPLC



HPLC



Column



DLS



Water purification
system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

ANALYTICAL FOUNDATION is a Nonprofit Organization (NGO) for the purpose of:



Analytical Foundation

1. Research & Innovation **Scientist's awards & International Conference visit sponsorship / QC Professional Awards:** Quality life is possible by innovation only and the innovation is possible by research only, hence **ANALYTICAL FOUNDATION** is committed to identify such personallities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research /testing/ publication at info@analyticalfoundation.org

2. Improving quality of life by offering **YOGA Training courses, Work shops / Seminars** etc.

3. **ANALYTICAL FOUNDATION** aims to DETOXIFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Naturecure, Health Care, Ara, Events, Camps etc.

▶▶ A portion of profit of **ANALYTICAL GROUP** Company's goes into **ANALYTICAL FOUNDATION** for the aboce noble cause.

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HPLC Solutions

MultipleLabs

Infinite Multiplelabs LLP

Analytical Bio-Med

Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E :- info@analyticalgroup.net
info@hplctechnologies.com
info@multiplelabs.com

W:- www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

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