



XRF Machine (AEDX3600)

Instrument introduction

AEDX3600 incorporates of experience in precious metals testing with unique product configurations and fully functional software. Its ergonomically design and friendly software interfaces grant the users a simple measurement job.

AEDX3600 is configured with an efficient and practical proportional counter, delivering compositions and plating thickness measurements of precious metals in a reasonable cost. The novel AEDX3600 has modern outlook, structure and color design.

Performance characteristics

- Specialized precious metals and plating thickness testing.
- Intelligent Precious Metals Analysis Software matches perfectly with the hardware.
- Arbitrary optional analysis and identification models.
- Independent matrix effect correction models.
- Multi-variable non-linear regression procedure.

Technical specifications

Measurable elements : Au, Ag, Cu, etc

Measurement Precision(Standard Deviation Statistic) : 0.05%~0.1% (main element content over than 96%)
0.01um~0.05um (for coating element analysis)

Tube voltage : 5-50KV

Tube current : 50-1000µA

Test time : 60~100s

Ambient humidity : <=70%

Ambient temperature : 5 -30

Power : AC220V+5V(AC purified stabilized voltage power supply is recommended)

Standard configurations

Single sample chamber

Laser positioning device

Signal detection electronic circuit

High and low voltage power supplies

X-ray tube

Application fields

Content determination of precious metals Au, Pt, Ag, etc and jewelries.

Thickness measurement of metal plating and content determination of plating solutions and plating

Precious metals and jewelries processing industries, banks, jewelries shops and testing centers, plating industries



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Corporate & Regd. Office :

Analytical House, # E67 & E68, Ravi Park, Opp., Sainath Park, Vasna Road, Baroda, Gujarat - 390015 INDIA.
Tele : 0265-2253620 / 2252839 Fax : 0265-2254395 E-mail : info@hplctechnologies.com/info@ais-india.com
Web : www.ais-india.com / www.analyticalgroup.net