

PR 100

Precious Metal Analyzer



Humanized Interface



Convenient Operation



Ultra Clear Camera



Rapid Detection

Jewelry
Manufacturing

Bureau Of Quality And
Technical Supervision

Cash Gold Exchange

Recycling Industry

Retail Industry

Pawnshop/
Refining Industry



NIDHI Precious Metal Analyzer

Application Field

Advantages And Characteristics

Easy to Use

The analysis results of the carat grades and components can be obtained by one-click operation

Products Design

The fuselage structure is small and strong, beautiful in appearance, suitable for placement in the showroom

Software Function

Use PC and software to facilitate the production of sample test results certificate

Data Download

Test data can be uploaded to the download network, and the detection results are easy to view and share

Innovation Function

Contribute to identify the innovative features of gold-plated samples

Fast Detection

Precise results on the chemical composition and carat grades of the sample can be detected within seconds

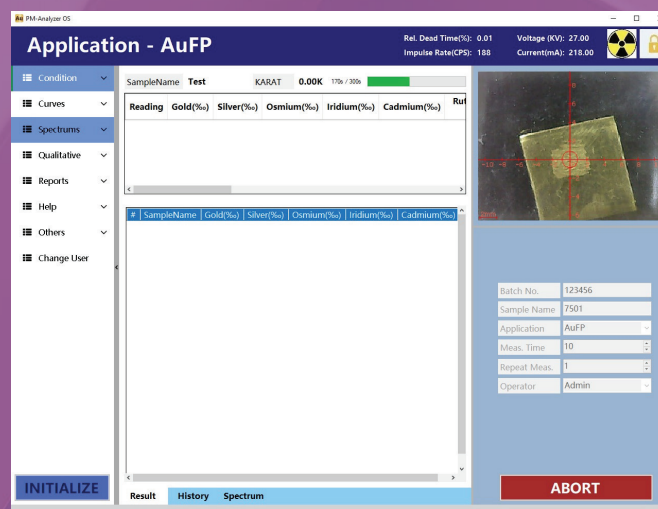
Lighting System

Through the camera and the in-cabin lighting system. The inspection location of the sample can be seen, Enhance test confidence

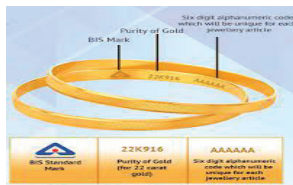
Safe Protection

X-ray protective lock. The X-rays are emitted only in the closed state, Ensure customer use safely and reliably

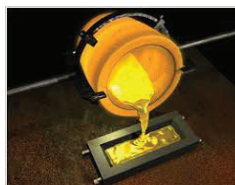
Application Software



Hallmarking Centre



Refineries



Jewellery Shops



Bullion



Bank / Finance



Old Gold exchange



Technical Specification



Analysis Range: 1PPM-99.99%

Test Samples For A Physical State :
solid/powder/liquid

RSD ≤0.03% Au ≥99.9%

Elements :
Au/Ag/Cu/Zn/Cd/Fe/
In/Pb/Ni/Pd

Environmental Requirements

Ambient Temperature
10-35° C

Relative Humidity
35-70%

Power Requirement
AC220V ±5V 50/60HZ

Precious Metals Special
Analysis Software

External Dimension
420*428*386 mm

Weight
39.5kg

Technical Parameter

High voltage source: 0-50KV

Light tube voltage: 5-50KV

Light tube flow: 0-1000 u A

Filter: Choose a variety of custom switches

Detector: Si-PIN

Multi Collimator Option

DPP:4096-DPP

Sample cavity size: 307*268*97mm



KARATGAUGE, a proud Indian manufacturer with a strong backing of research and development, production, sales, service, committed to the development of indigenous high precision X – Ray Fluorescence (XRF) Spectrometer. With its HO at Cochin, Kerala Karatgauge does the extensive market research in terms of customer needs and industries challenges and thrives to develop the products with cutting edge technology to ensure the business prosperity of the industry and customers.

Our product range includes Precious Metal Analysers for jewellery and bullion, PMA Hallmarking, RoHS analysers, Alloy Analysers etc...

Team KARATGAUGE ensures the ROI and timely after sales support through out India vide its service network.



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