



## What's Distinctive:

Unique measurement geometry, entry level price

## KARAT VISION K4-Series High Precision Precious Metal Measurement System

Karat Vision developed K4-series Gold measuring instruments optimized for fast and accurate non-destructive analysis of Jewellery, Precious Metals, Jewellery, Coins and Alloys.

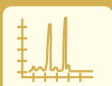
**Innovative & Reliable XRF For Precious Metals** It uses the most reliable and recommended XRF technology for karat classification and high precision measurement.

FISHTRO has defined specific goals in order to be a valuable and responsive partner to our customers and our suppliers.

The true value of jewellery and ornamental objects lies beneath the surface with the value of items being bought, sold and recycled determined by the precious metal's precise elemental composition. Using XRF (X-ray fluorescence) makes precious metals and jewellery testing easy and quick. Accurate and non-destructive, XRF precious metal analyzers ensure fair price without the need to use chemical assay, fire assay or alternative testing methods for analysis.

FISHTRO XRF analyzers verify the amount of gold (Au), silver (Ag), platinum group metals (PGM) platinum (Pt) and palladium (Pd) and detect rarer precious metals such as osmium (Os), iridium (Ir) and ruthenium (Ru). Our gold spectrometers quickly provide exact karat weight and percentages of all elements within an item. You'll also be able to detect the presence of hazardous substances, such as nickel (Ni), lead (Pb) and cadmium (Cd) and measure plating thickness and composition, such as gold coatings on sterling silver (vermeil) and rhodium (Rh) coatings on gold alloys, even on minute pieces.

Precious metals analysis with FISHTRO XRF can help to ensure the true transactional value of each piece.



Elemental  
Analysis



Coating Thickness  
Measurement



Solution & Powder  
Analysis

# KARAT VISION K4-Series

Superior technically.  
Supported locally.

## Specifications

- Jewellery Industry
- Karat Certification & Hallmarking
- Refining & Melting Operations
- Museums & Archaeological Sites



<b>X-Ray Tube</b>	Micro-Focus, Tungsten Tube, Be window
<b>High Voltage</b>	Programable 50Kv
<b>Detector</b>	Silicon Drift FSDD Peltier Cooled
<b>Collimator</b>	Fixed 1.0 mm or As per Cooled
<b>Resolution</b>	<122eV
<b>Design</b>	Bottom to Top
<b>Element Range</b>	S (16) to U (92)
<b>Diamention</b>	450*420*310mm
<b>Camera</b>	High Resolution CCTV, 20X Zoom
<b>Power</b>	110-240V AC, 50/60Hz, 100W
<b>Temp Range</b>	10 - 40°C
<b>Weight</b>	Approx 30 kg

FISHTRO is well-known organization consist group of professionals, each having several years of experience in the field of analytical, scientific, process and test & measuring instrumentation.

FISHTRO Equipment with its experience for more than 2 decades in X-Ray technology introduces always innovation in precious measurements with latest hardware technology, intuitive software package, simplicity in operation at affordable cost.



## Fishtro Instruments

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Korean Indian Collaboration Technology