



Redlands
JEWELLERY EQUIPMENTS



EDX POCKET III

Handheld X-ray Fluorescence Spectrometer
Precious Metals & Jewellery Analysis

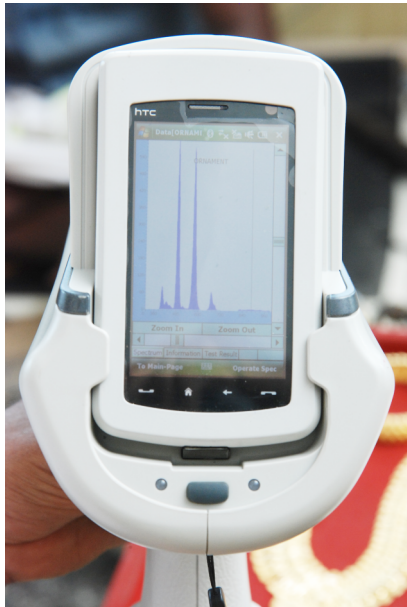
Applications:

Analysis of gold jewellery and alloys

For banks and testing labs

Analysis of precious metals

Gold mining and refineries



Element	Intensity	Content
Au	0.334334	91.56553 (%)
Ag	0.000661	0.17462 (%)
Cu	0.042785	8.16878 (%)
Cd	0.000367	0.09107 (%)
Ir	0	ND
Zn	0.00203	ND
Ni	0.00359	ND
Pd	0	ND
Rh	0	ND
Ru	0.00044	ND

EDX POCKET III is a handheld X-Ray Fluorescence Spectrometer specially developed for on-site analysis. Gold Analysis using an Handheld XRF gold tester is a highly accurate, fast technique to determine gold concentration in jewelry, scrap gold, gold bars and coins. This method of gold analysis is completely nondestructive, allowing the user to test gold to evaluate it for purchase, spot-checking of jewelry, to test pin samples and gold bars. Above all without damaging the integrity of the sample being tested in any form.



Gold purity is an important factor it comes to owning gold

SPECIFICATIONS

- Working principle : XRF analysis exploiting X-ray Fluorescence Spectrometry
- Measurable range : S-U (sulfur to uranium)
- Measurement time : 10-100 seconds
- Detector : Advanced thermoelectric cooling Si-PIN semiconductor with high Performance and high energy resolution
- Excitation source : Mini 40KV/ 50μ - A X-ray tube, Ag/W anode target
- Data display : High definition and high resolution PDA (Personal Digital Assistant), with GPS function, Windows Mobile operating system, Stable Bluetooth communication, personal data handling and e-mail sending
- Data storage : Large capacity SD card and SD card reader enable the data storage on PC and print out
- Power supply : Operating times of two fully-charged Lithium batteries is not less than 8 hours
- Weight : 1.4 Kg (Without battery)
- Overall size : 260 x 325 x 125mm (L x H x W)
- Ambient environment : Temperature - 15°C - 45°C
- Safety : Both PDA and PC software operation are protected by password. Unauthorized people are not allowed to operate.
- Standard accessories : Shock-pressure & water-proof carrying case with padlock, 110V/220V general purpose charger , large capacity SD memory card, SD card reader, two 4000mAh lithium batteries, lithium battery charger, PDA



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