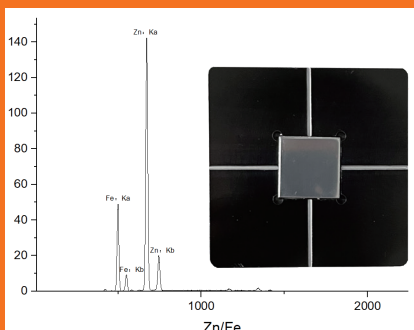
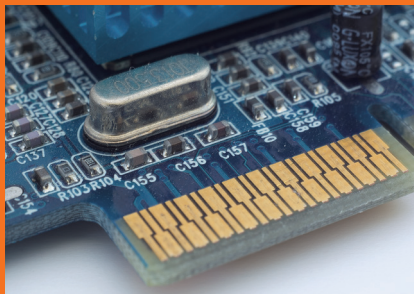


# Mark 980 Handheld XRF Coating Analyzer

— Your Ideal Choice for Testing Coating Thickness Onsite



Coating thickness measurement plays an important role in the surface treatment process of the fabricating industry and is a necessary method to ensure that the product achieves excellent quality. If the coating is too thick, it will increase the production cost, and if it is too thin, it will fail to meet the material performance or appearance requirements.

The new-generation Mark-980 handheld XRF coating thickness analyzer adopts high-resolution Si-PIN (or SDD silicon drift detector) achieve an excellent measurement accuracy and stability. Whether it is for the quality control of coating thickness in the production process, or random quality check and complete inspection for incoming material inspection, Mark-980 can meet your inspection needs.

## Why Mark-980 Coating Analyzer Is a Good Choice

- **Fast and easy to use**  
It can realize the second-level detection speed of coating thickness and composition analysis, and the size is small and portable.
- **High accuracy**  
Ceramic packaged miniature X-ray source and high-performance semiconductor detector are used to effectively improve test accuracy
- **Simple operation**  
Equipped with large, high-definition touch display, intuitive user interface, and almost no training required
- **Intelligent control**  
Fully automatic intelligent control, which can realize one-button measurement
- **One machine for multiple purposes**  
It can quickly analyze the thickness and composition of the coating when the composition of the coating is unknown, and easily realize the standardization of coating analysis for standard coatings
- **Rugged and durable**  
IP54 compliant, waterproof and vibration-proof, can work in harsh environments

## Applications

It is widely used for the thickness measurement of metal coatings, such as the metal plating industry, alloy and precious metal industry, as well as the electronic industry, electronic components, semiconductors, PCBs, auto parts, functional electroplating, decorative parts, connectors and other surface coating thickness measurement.

# Models of Napco Mark-980 Series

Model	Mark 980	Mark 980P
Excitation	Ceramic packaged microfocus X-ray tube, Ag Anode 50kV	
Detector	High performance Si-Pin detector	Optimized SDD detector (with Graphene window)
Resolution	140eV FWHM	129eV FWHM
Filter	Multi position automatic filter changer	
Window	Kapton with anti-puncture window design optional	
Battery	7.2V Li-ion battery, 6800mAh	
Display	Capacitive touch screen (5 inch 720P)	
CPU	i.MX 8M Mini quad core 1.8GHz	
Signal Processor	4096-pixel multi-channel detector/80 MHz ADC digital signal processor	
Data Storage	Over 100,000 data storage	
Data transfer	WiFi, USB	
Structure design	Unique structure design, effectively increase the heat dissipation of the X ray tube	
Radiation safety	Safety Guard induction device, when there is no sample in the test area, the source will shut, providing maximum safety protection. Password-protected user security	
Camera (optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions	
Elements	Al, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Se, Zr, Nb, Mo, Ru, Rh, Pd, Ag, Sn, Sb, Hf, Ta, W, Re, Ir, Pt, Au, Pb, Bi	Al, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Se, Zr, Nb, Mo, Ru, Rh, Pd, Ag, Sn, Sb, Hf, Ta, W, Re, Ir, Pt, Au, Pb, Bi
Environment	Temp: -10°C~50°C Humidity 0%~80%	
Weight	Approx. 1.5kg (3.3lbs) including battery	
Dimensions	L x W x H: 220mm*91mm*276mm	
Standard	CE, RoHS, IP54	
Optional	With the innovatively designed mobile application, data can be viewed, shared, and printed in real time, and functions such as sample photo, GPS positioning, barcode scanning, and data archiving can be supported. Optional data cloud service function support uploading the test results to a secure and encrypted cloud server, and perform efficient statistics, query and analysis of large-scale analysis data.	

Napco Precision Instruments Co.,Ltd.

401, Fucheng Digital Science Park, Fucheng Street, Longhua District, Shenzhen, China

TEL: + 86 138 2887 9531

EMAIL: sales@napcolab.com

WEB: <https://www.napcolab.com>

