

TrueX COAT2 Hand-held Alloy Analyzer

Product advantage

With the rapid development of modern industrial modernization, such as automobile manufacturing, locomotive manufacturing, aerospace, shipbuilding, hardware products, standard parts, electronic components, electrical parts, mechanical parts, bathroom decoration products and other fields, the demand for coating is also increasing, and the quality requirements are also more and more strict.

Truex coat standard analyzer is suitable for coating thickness measurement and material analysis. It has the advantages of non-destructive, reliable, high productivity and high flexibility. It can be used to qualitatively analyze the element composition of samples, and can also be used for coating and coating system thickness measurement. It is a powerful tool for coating sample quality detection and safety audit.



Product characteristics

- 1,the instrument is smaller, lighter weight, easy to carry.
- 2,high-speed processing chip, advanced algorithms and efficient software to make the instrument analysis faster.
- 3,industrial resistance touch screen, compared to the capacitive screen has a better backlight performance, in the field of light is still clearly visible, while the field of special environment to avoid the risk of glove removal.
- 4,the use of anti slip body of the fuselage design, very lightweight, easy to carry and transport, and integrated wave of the most cutting-edge research and innovation.
- 5,support the instrument battery hot plug, can be replaced in the working state of the battery, no need to shut down.
- 6,the user can be customized to create a professional report: including company logo, company address, detection results, spectral and other sample information (such as product description, origin, lot number, etc.).



Analysis of elements and patterns

TrueX COAT Zn on Cu, Ag on Cu and so on (According to your specific needs to make)

Application range

1.PCB circuit board

PCB is one of the important components of electronic industry. With the rapid development of industry and technology, the demand for PCB is increasing, and the PCB process also puts forward higher requirements. At present, the common PCB surface treatment processes in the market include hot air leveling, organic coating OSP, electroless nickel plating, gold dipping, silver dipping, tin dipping and nickel gold electroplating. It can effectively control the quality of PCB and other products with coating thickness, and avoid the loss caused by quality problems.

2.Hardware electroplating

In the hardware electroplating industry, the thickness of the metal coating and the concentration and content of the metal plating solution can be effectively analyzed to meet the production needs and ensure that the production process and the finished coating meet the standards. It can accurately detect the composition and concentration of electroplating solution, ensure the quality of coating, and effectively detect the content of heavy metals in industrial wastewater and waste generated by electroplating.

3.Jewelry

The instrument is widely used in the jewelry industry, mainly used to detect the metal content of jewelry and the coating thickness of jewelry.

4. Testing institutions, research laboratories, etc

Testing institutions are mainly used to test whether the product is up to standard, and scientific research institutions are used to do scientific research, such as the relationshipbetween plating thickness and product performance in plating bath formula.

Technical parameters and specifications

WEIGHT	1.6Kg(with battery)
DIMENSIONS	254×79×280mm (L×W×H)
EXCITATION SOURCE	50KV/200μA maximum pipe pressure pipe flow can be adjusted freely,AgI target (standard),Au,W,Rh target(optional)
DETECTOR	Si-pin detector
RANGE OF DETECTION	All elements between Mg and U.
DISPLAY SYSTEM	Industrial resistive touch screen with screen size of 4.3".Proprietary operating system and LANScientific analysis software.Multiple languages including English and Chinese.And it automatically adjusts display brightness according to the environment brightness.
DATA PROCESSING	32GB memory.USB, bluetooth, WIFI,or linked to the Internet, instrument can be configured and repaired remotely.Data can be exported via EXCEL or PDF. Users can customize the reports by adding their company logos, addresses, test results, spectrum and others (such as product description, origin and batch number).
HEAT DISSIPATION	Equipped with a dedicated T-shaped radiator to dissipate the heat,no need to wait for cooling of detector time again.
SAFETY	Built in DoubleBeam™ technology to automatically detect the front of the sample, to improve the safety and protection of the radiation level, Waterproof,dust-proof and shockproof suitcase.LANScientific Safety Band.
POWER SUPPLY SYSTEM	Intelligent battery management through MSBUS bus, real-time monitoring of the residual capacity of battery and backup battery.The battery complies with air transport regulations of dangerous goods.A single battery can last 8 hours.

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