TrueX TCB Hand-held XRF Analyzer

Product advantage
With the support of policy, the market of ternary lithium battlery has been growing rapid
in recent years. The demand for cathode materials is increasing, and the energy densit
capacity and safety of cathode materials are also put forward higher requirements. The
ternary materials amply include NOK incide clobal tithium managnates) and NOK (note
coolat tilhium aluminate). NCM is the most popular ternary material at present. Th
common NOM materials include normly, ncm23, ncm22g, ncm31f, etc. Because of th
high florbnical barriers, NCA has a small application scope.



Truck TCB ternary battery analyzer is a special XRF analyzer for batteries developed by LANScientific Instrument Co, Ltd. in combination with market demand, integrating optolectionics, microelectronics, semiconductors, computer software and other technologies. It is autisable for quantified are disqualified integration of terman is cathodo materials of femany batteries. With the advantages of fast, high efficiency, non-destructive and durable, it is an ideal tool for ternary battery material manufacturers, dealers and waste recyclers.

Product characteristics

1,the instrument is smaller, ligh

2,high-speed processing chip, advanced algorithms and effi-instrument analysis faster.

instrument analysis taster.

3,industrial resistance touch screen, compared to the capacitive screen has a bette backlight performance, in the field of light is still clearly visible, while the field of specientivionment to avoid the risk of glove removal.

emercularian to evolut his risk to givee tentional.

A the use of anti 3b body of the fursiegie design, very lightweight, easy to carry and transport, and inlagrated wave of the most cutting-edge research and innovation.

Support the instrument battery hot plug, can be replaced in the working state of the baltiery, no need to shut down.

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

frueXTCB Ni, Co, Mn, Al, Fe, Ti, Zr, Cu elements can be added if there is special element demand

Application range 1.Identification of battery cathode materials

It is important to avoid using substandard or substandard batt

It is important to avoid using substandard or substandard batteries.

In many serious battery accidents in the past, more than half of them were caused by substandard batteries. Therefore, it is very important to delement to elements and element content to battery cambiode materials to ensure that they meet the standard. Traver TCB tennay battery analyzer can quickly and accurately identify the elements and element content of battery cambiode materials. It is suitable for battery manufactures, battery purchasers, third-party testing centers, national quality inspection departments, research contents and other user groups.

2.Quality control in battery manufacturing

For battery manufacturers, the quality control and quality assurance of materials (new materials), semi-finished products and finished products are essential. If unqualified cathode materials are used, it will cause catestrophic accidents, even lead to casualities, bring great economic losses to the enterprise and demage the reputation of the enterprise. Especially in the process of frinched betty delivery, fundance three very battery analyzer can help testers accustely detect each thinum batter sample under non-destructive conditions, making the finished product detection faster and more efficient.

Waste batteries contain a lot of heavy metal elements such as manganese, cotatt and nickel. Meanwhile, the electrolyte is contained by the con

1.6Kg(with battery) WEIGHT

254×79×280mm (L×W×H)

50KV/200µA maximum pipe pressure
EXCITATION SOURCE flow can be adjusted freely Agtarget
(standard), Au, W,Rh target(optional)

Si-pin detector DETECTOR

NGE OF DETECTION All elements between Mg and U.

DISPLAY SYSTEM

All elements between Mg and U.

Industrial resistive fouch access with screen with screen and screen and screen and LANScentific analysis software Multiple in a screen and LANScentific analysis software Multiple in a screen and LANScentific analysis software Multiple in a screen and LANScentific analysis software Multiple in the screen and screen and control to the environment brightness according USB, Bluetooft, Wiff Jor Kield to the internet, instrument can be configured and repeared removely. Data can be engaged and repeared removely. Data can be engaged and repeared removely. Data can be expected via EXSEL or PDF Users can customize the reports by adding their company logs, addresses, lest results, sectrum and others (such as product description, origin and batch number). Exclusive the screen and their screen and the

DATA PROCESSING

HEAT DISSIPATION

cooling of detector time again.

Built in DoubleBeam^{to} 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 Rand

SAFETY

Intelligent battery management through MSBUS bus, real-time monitoring of the residual capacity of battery and backup battery. The battery complies with air tran regulations of dangerous goods A single battery can last 8 hours.

POWER SUPPLY SYSTEM