

TFN

Handheld Metal Spectrometer

DIX5-700Y/DIX5-900Y



TFN DIX

Handheld Metal Spectrometer Can be measured

01

Alloy Metals

Stainless steel, copper alloy, aluminum alloy, etc.



02

Geological Ores

Geological exploration, copper ore, iron ore, bauxite, etc.



03

Precious Metals

Gold, platinum, silver, rhodium, RoHS testing, hazardous substances testing for electronic products



04

Coating Thickness

Silver-plated copper, zinc-plated iron, archaeology (bronze, porcelain, etc.)



05

Environmentally Friendly Heavy Metals

Soil heavy metal detection lead, mercury, cadmium, etc.



D9X-5

Typical Applications



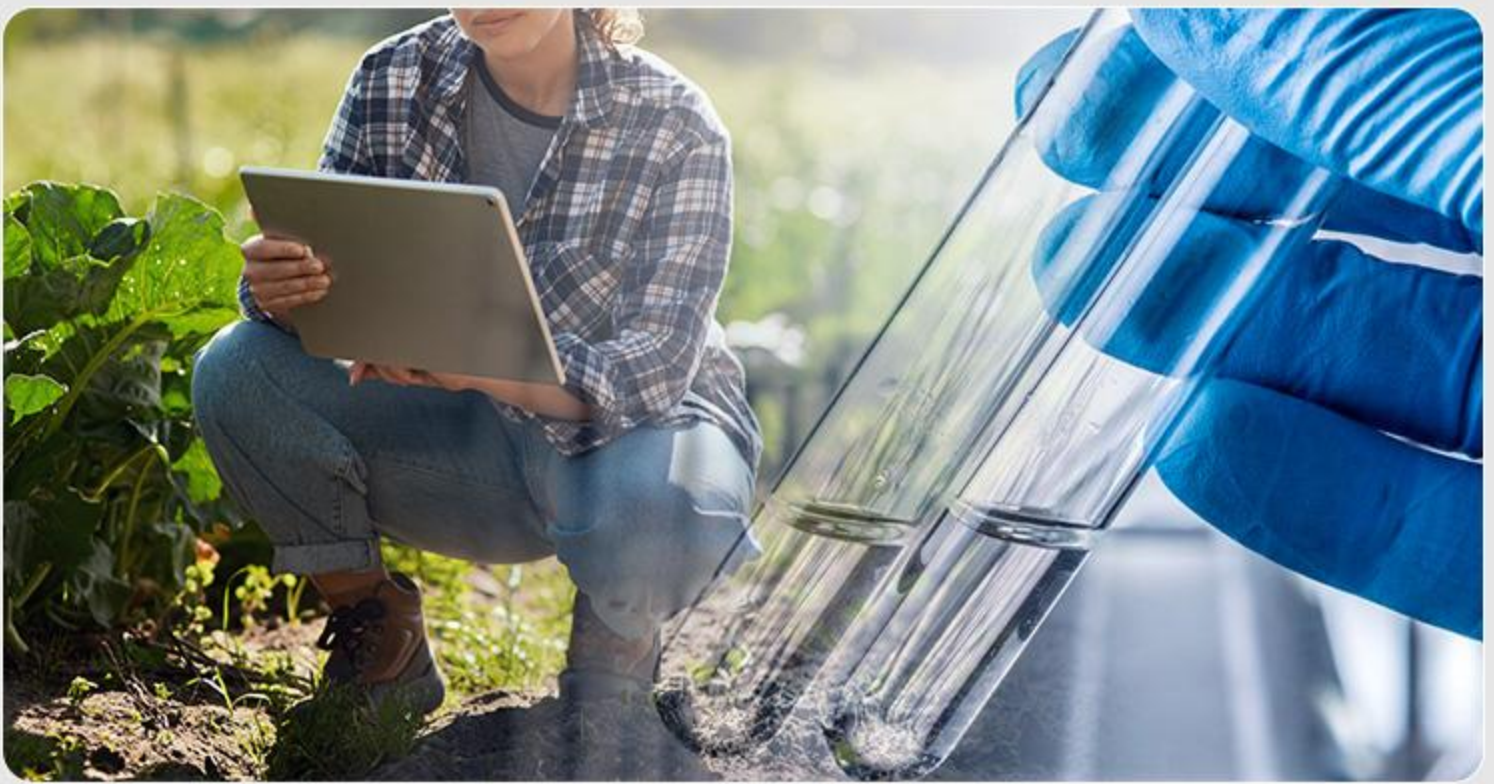
Rapid investigation and measurement of polluted metal components, pollution patterns, and pollution convenience in polluted water and wastewater



On-site detection of metals involved in RCRA and priority-controlled polluted metals



Provide theoretical basis for analysis of sand, sludge, solid waste, soil, mud, dust, dust filtration, film layer, etc.



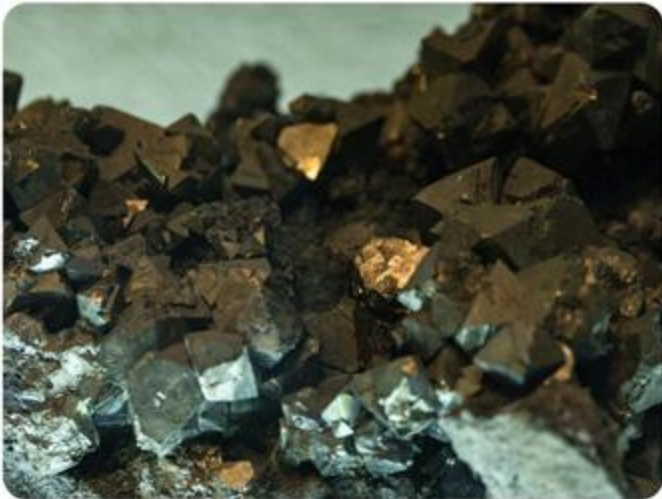
Can dispose of harmful substances such as original land, polluted water, wastewater on-site and provide in-depth analysis of pollution control and remediation methods



Provide detection and data support for diseases caused by environmental pollution

Application Examples

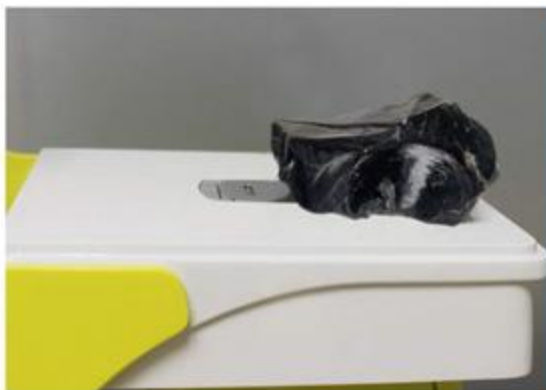
Ore Analysis



Identification of Cultural Relics



Bronze



Obsidian



Porcelain



Murals



Oil paintings

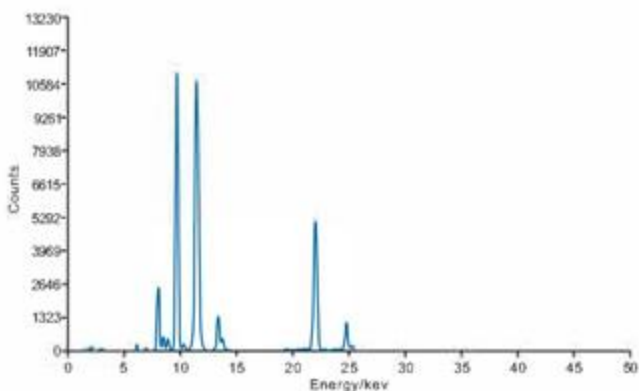


Glass

Element Analysis



Precious metal identification



Spectrum test

| Element name | Test results(%) | +/- |
|--------------|-----------------|-------|
| Au (Gold) | 65.5 | 0.2 |
| Ag (Silver) | 24.430 | 0.17 |
| Cu (Copper) | 10.013 | 0.085 |

Handheld metal spectrometer Test Interface

Alloy #2 12

316SS

0.234
Accurate

| Elements | % | +/- | SPEC |
|----------------|--------|-------|-------------|
| Fe(Iron) | 68.687 | 0.137 | [63.0-72.0] |
| Cr(Chromium) | 17.152 | 0.189 | [16.0-19.0] |
| Ni(Nickel) | 10.25 | 0.261 | [10.0-14.0] |
| MO(Molybdenum) | 1.977 | 0.038 | [1.9-2.8] |
| Mn(Manganese) | 1.236 | 0.24 | [0.0-2.21] |
| Cu(Copper) | 0.604 | 0.144 | [0.0-1.0] |
| V(Vanadium) | 0.085 | 0.061 | |

TFN DIX



Product Features



Two-color warning system
Power on green light



Test red light flashes
Status at a glance



More backlit
Clearly visible under
strong light



Easy to use
One-button operation



No need to prepare samples
Can be measured directly



TR" hort" optical path design
No need to fill nitrogen,
significantly improve lightness

Technical Parameters

| | |
|-------------------|--|
| Weight | 1.6kg (with battery) |
| Dimensions | 254X79X280MM (LXWXH) |
| Excitation source | SOKV/200UA upper limit, tube pressure and flow can be freely adjusted AG, AU, W, RH targets (optional) |
| Detector | High-sensitivity silicon drift detector |
| Detection range | elements between MG and AM |
| Display system | industrial-grade resistive touch screen, screen size: 4.3 inches Dedicated operating system and Langsheng analysis software, operating language including Chinese, English and other languages, automatically adjust the display brightness according to the external environment brightness |

Data processing

built-in 32G storage USB, Bluetooth, WIFI, the device can be connected to the Internet, the instrument can be remotely set and repair data, can be output in EXCEL and PDF format, users can customize to create professional reports

Heat dissipation

The instrument is equipped with a dedicated T-slot heat dissipation device to improve the heat dissipation performance of the instrument, without frequently waiting for the detector to cool down

Safety

Built-in DOUBLEBEAM™ technology automatically senses whether there is a sample in front to improve the safety and protection level of the ray, waterproof and dustproof, shockproof suitcase, LAN SCIENTIFIC dedicated safety rope

Power system

Intelligent battery with MSBUS bus, real-time monitoring of battery, remaining capacity of backup battery, battery complies with aviation dangerous goods transportation regulations, single battery can work continuously for about 8 hours



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