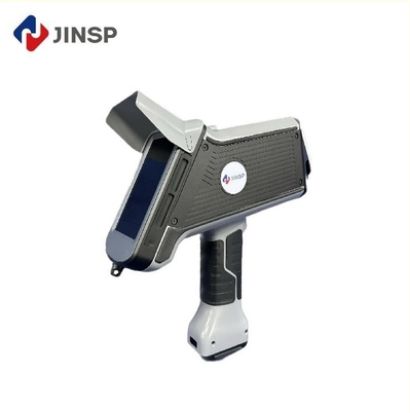
Iron based alloy elements detetion with JINSP Handheld LIBS Analyzer

Our Product Introduction

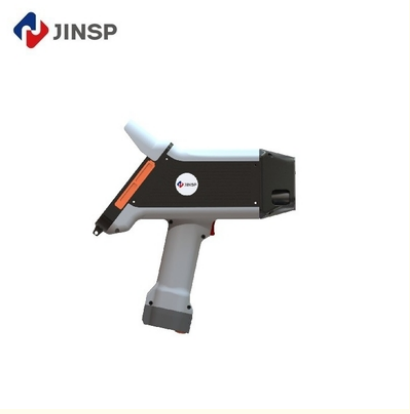
Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: LB1000S
- Minimum Order Quantity: 1PC
- Price: Negotiable
- Packaging Details: 1PC/BOX
- Delivery Time: 30-45 working days
- Payment Terms: T/T
- Supply Ability: 20 PCS PER MONTH



Product Specification

- Laser Wavelength: 1535nm
- Spectral Range: 180nm ~ 460nm
- WIFI: 2.4GHz 802.11n/b/a
- Working Temperature: -10 ~ +40
- Memery: 16GB
- Weight: Around 1.9kg
- Highlight: **16Gb Memory Portable LIBS Analyzer**, **Portable LIBS Analyzer Dustproof**, **Dustproof handheld libs analyzer**



Our Product Introduction

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Product Description

Handheld LIBS Analyzer for Iron Based Alloy Metal Detection

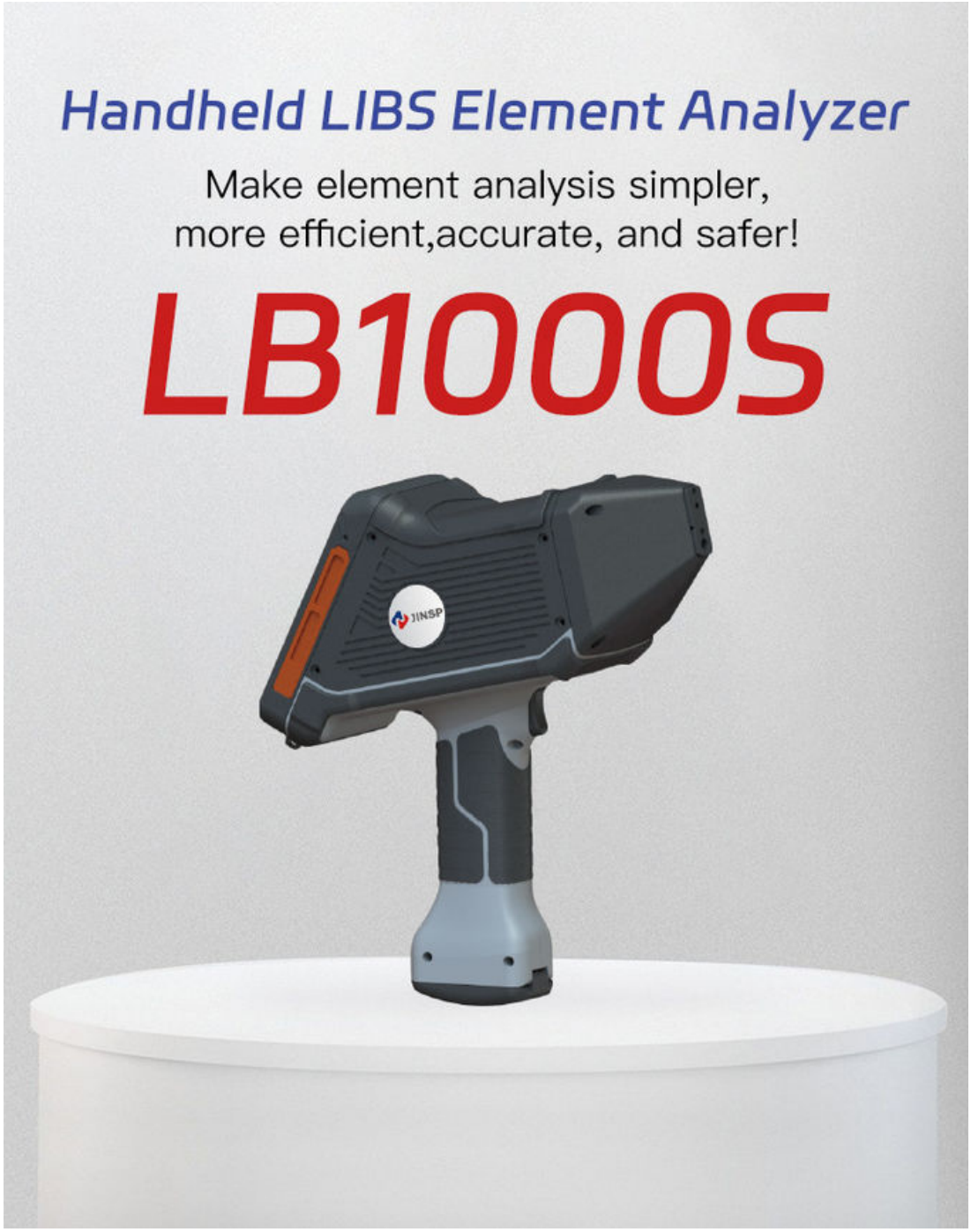
The LIBS Elemental Analyzer is equipped with a powerful 1535nm laser, which ensures safe and efficient operation with Class 1 laser safety. This feature makes it suitable for use in various industrial and manufacturing settings where safety is a top priority.

The Handheld LIBS Elemental Analyzer is also designed to be efficient and prompt in delivering detection results. With a detection time of only 5 seconds, the product can issue accurate results on-site, making your workflow smoother and without any waiting.

The approximate weight of the product with a battery is 1.9kg, making it lightweight and easy to handle during use. This makes it an ideal tool for field work and on-site applications.

The LIBS Elemental Analyzer also features intelligent recognition technology, which automatically identifies the type of metal matrix being analyzed. This feature helps to avoid human error and ensures that detection results are more accurate and reliable.

The Handheld 1535nm Laser LIBS Elemental Analyzer is a must-have tool for any business or organization that requires fast and accurate elemental analysis of various metals. Whether you are in the automotive, aerospace, or manufacturing industry, this product can help you improve your QA/QC processes and ensure that your products meet the highest standards of quality.



Specifications:

Detection Alloy Matrix	Aluminum based elements: Al,Si,Fe,Cu,Zn,Mg,Mn,Ni,Cr,Ti,Pb,Sn Iron based elements: Fe,Cr,Ni,Mn,si,Ti,Cr,Mo,V,Co Copper based elements: Cu,Zn,Mn,Al,Ni,Pb,Sn,Fe
Spectral range	180nm ~ 460nm
Laser wavelength	1535 nm, much safer for human eyes
Laser safety	Class1, the lowest risk among all the laser classes
Display screen	5.0-inch capacitive touch screen
Memory	16Gb
Working environment	Temperature: -5 to 40 . Humidity: ≤95%RH, no condensation
Sample types	Bulk solids, cylinders, sheets, wires with a diameter of 1mm or larger, thin slices, large blocks, lines, particles

Communication mode	4G,Bluetooth,WIFI
Operating time	8 hours

Product Characteristics

Safe and worry-free

Using 1535nm CLASS 1 eye-safe lasers completely eliminates the hidden dangers of X-ray ionizing radiation. The externally limited device is carefully designed to effectively prevent laser misfiring, ensuring the safety of every user.

Efficient and prompt

Whether it's thin sheets, large blocks, lines, or particles, we can quickly respond to various shapes of metals. Detection results can be issued within 5 seconds on site, making your workflow smoother without any waiting.

Intelligent recognition

Automatically identify the type of metal matrix to avoid human error and make the detection results more accurate. Additionally, the device integrates Beidou positioning, 4G/5G, and WIFI networking capabilities, allowing you to upload detection data to the business system in real-time regardless of your location.

Accurate and reliable

With full-element detection capabilities, it also demonstrates excellent detection results for light elements such as Al, Mg, and Si. This meets the precise analysis requirements of various industries, providing strong support for your business.

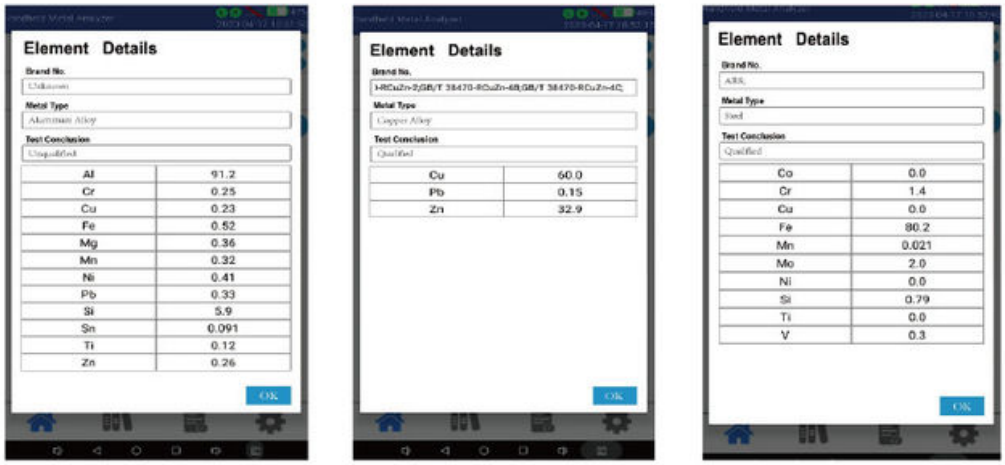
Wide compatibility

Capable of detecting aluminum-based, copper-based, and iron-based matrices, it can perform quantitative analysis of various alloy elements such as Cr, Ni, Ti, V, Mn, Mg, etc. We also provide matrix customization services to meet your specific needs.

· It can be used for grade identification and element analysis in the recycling of scrap steel, scrap aluminum, and other recycled metals, helping customers achieve efficient utilization of recycled metal resources and enhance the value of recycled metals.

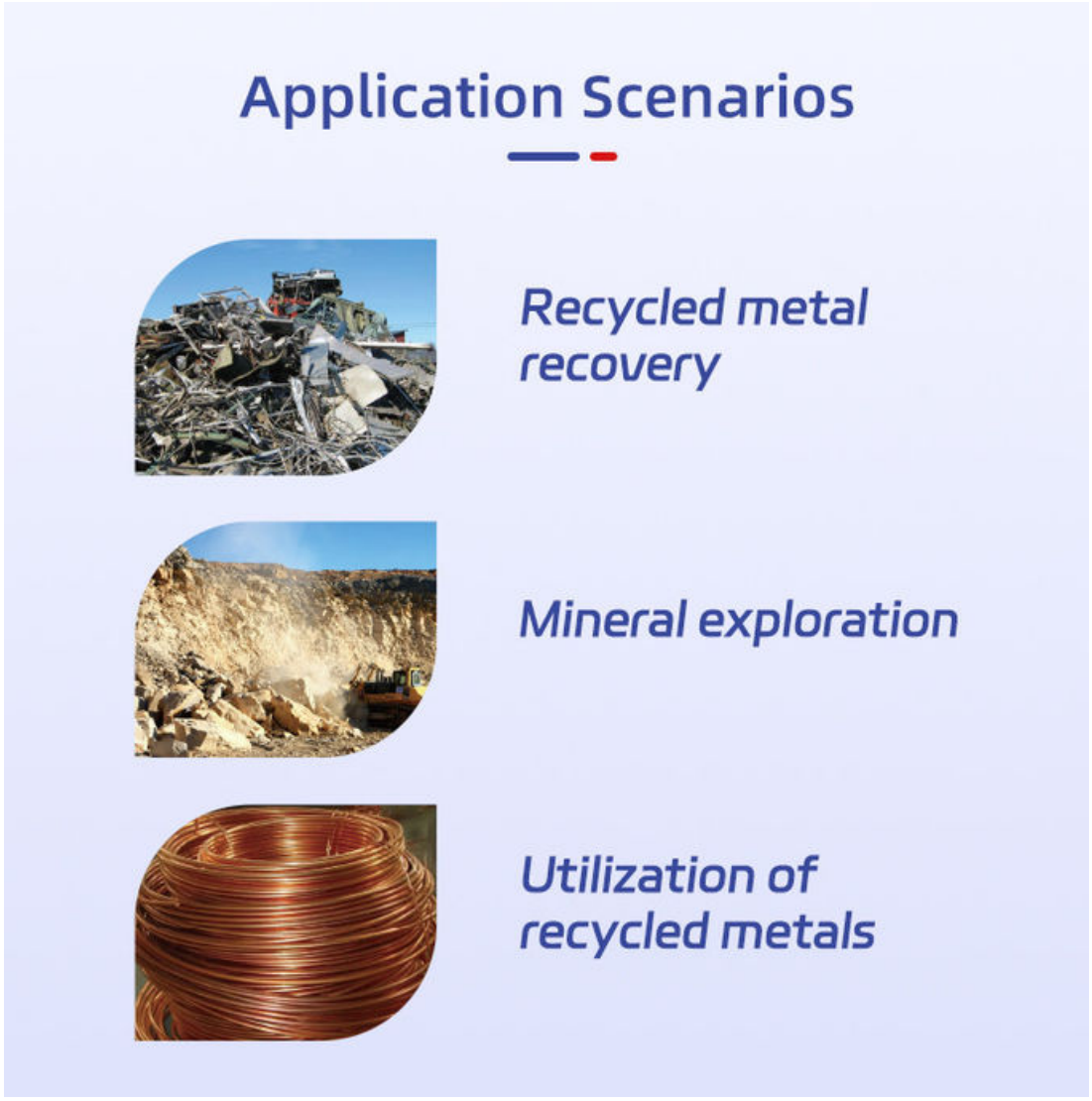
· It can play a role in the incoming inspection of recycled metals, control of critical processes during smelting, and material reliability identification (PMI), ensuring the quality of incoming raw materials and outgoing metal products.

· Used in mineral exploration, it helps users quickly understand the abundance of ores and detect the ore grade during mining, reducing dependence on minefield laboratories and improving the ability to control underground ore grade.



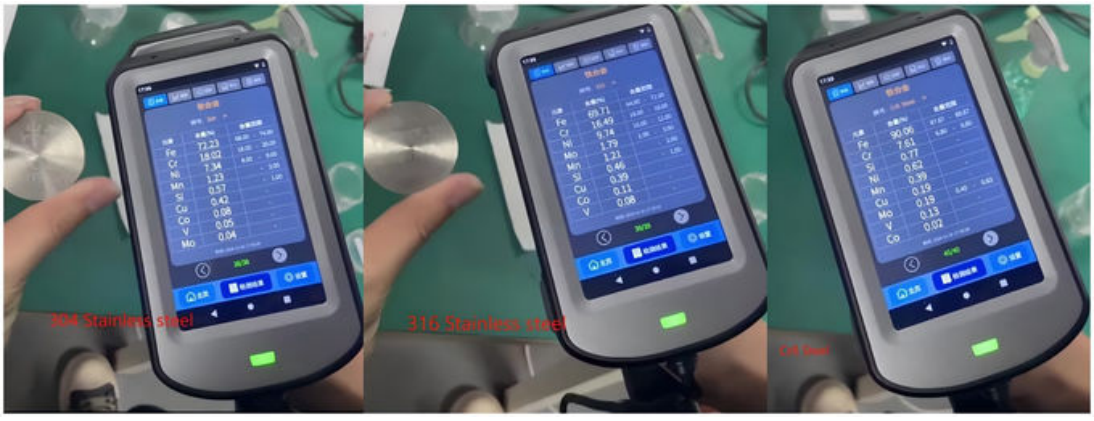
Technical Highlights:

●**Safe and worry-free:** Using 1535nm CLASS 1 eye-safe lasers completely eliminates the hidden dangers of X-ray ionizing radiation. The externally limited device is carefully designed to effectively prevent laser misfiring, ensuring the safety of every user.
●**Efficient and prompt:** Whether it's thin sheets, large blocks, lines, or particles, we can quickly respond to various shapes of metals. Detection results can be issued within 5 seconds on site, making your workflow smoother and without any waiting.
●**Intelligent recognition:** Automatically identify the type of metal matrix to avoid human error and make the detection results more accurate. Additionally, the device integrates Beidou positioning, 4G/5G, and WIFI networking capabilities, allowing you to upload detection data to the business system in real time regardless of your location.
●**Accurate and reliable:** With full-element detection capabilities, it also demonstrates excellent detection results for light elements such as Al, Mg, and Si. This meets the precise analysis requirements of various industries, providing strong support for your business.
●**Wide compatibility:** Capable of detecting aluminum-based, copper-based, and iron-based matrices, it can perform quantitative analysis of various alloy elements such as Cr, Ni, Ti, V, Mn, Mg, etc. We also provide matrix customization services to meet your specific needs.



Applications:

- **Recycled metal recovery**
- **Utilization of recycled metals**
- **Mineral exploration**



Company Introduction:

JINSP Company Limited, abbreviated as "JINSP", is a professional supplier with over 17 years of experience irspectral detection technology products, including Raman, FT-IR, LIBS technologies, etc. After 17 years of technology accumulation, the company's core key technologies have reached the international leading position at the level, and the cumulative number of patent applications exceeded 200.

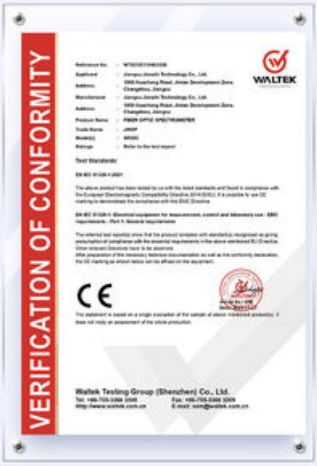
JINSP Company received ISO9001:2015, ISO14001:2015, and ISO45001:2018 certifications. JINSP can provide required certifications, such as certification by the Ministry of Public Security or National Institute of Metrology, Environmental Level Certification, IP Level Certification, CE Certification, Transport Identification Report, EU ECAC certification, German ICT Security Testing, etc.

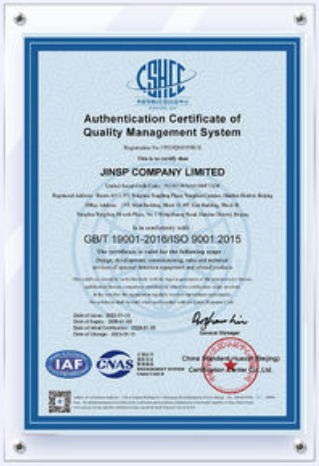
The technology owned by JINSP has won the National Science and Technology Commission's Scientific and Technological Achievement Appraisal Certificate and the China Patent Excellence Award, and related products have

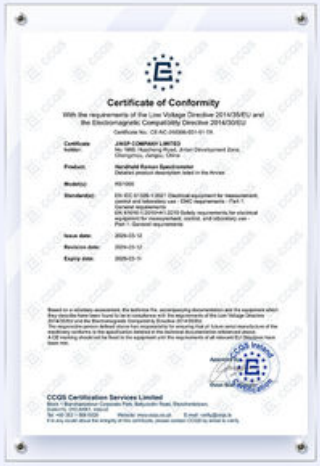
been obtained has won authoritative awards such as the Geneva International Invention Award, the Beijing New Technology and New Product Certificate, and the "Innovation Achievement Award" of the Zhu Liangyi Analytical Instrument Innovation Award. In addition, JINSP participated in the drafting of several national and international standards, including participating in the drafting of an international standard as the only participating unit in China IEC 63085 International Standard: System of spectral identification of liquids in transparent or semitransparent containers; Drafting of two national standards: GB/T 41086-2021 "General Technical Requirements for Safety Inspection Equipment for Hazardous Chemicals Based on Raman Spectroscopy", GB/T 40219-2021 "General Specification for Raman Spectrometer".

Company Profile

Certifications







FAQ:

Q1: What is the brand name of this handheld element analyzer?
A1: The brand name of this handheld element analyzer is JINSP.

Q2: What is the model number of this handheld element analyzer?
A2: The model number of this handheld element analyzer is LB1000S.

Q3: What is the place of origin of this handheld element analyzer?
A3: The place of origin of this handheld element analyzer is CHINA.

Q4: What is the minimum order quantity for this handheld element analyzer?
A4: The minimum order quantity for this handheld element analyzer is 1PC.

Q5: What are the payment terms for this handheld element analyzer?
A5: The payment terms for this handheld element analyzer are T/T.

JINSP Company Ltd.

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