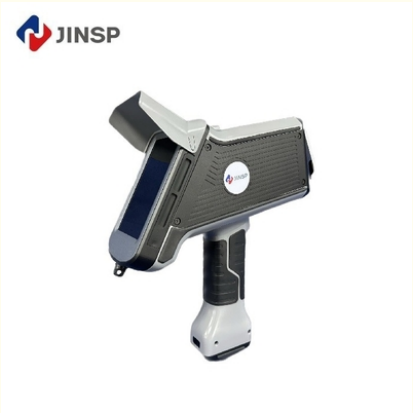
Cutting Edge Technology Handheld LIBS Analyzer for Alloy Metal real time detection

Our Product Introduction

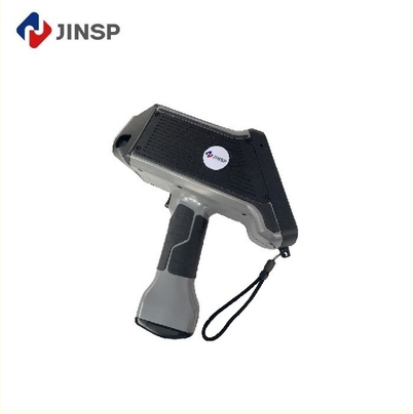
Basic Information

- 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 working days
- Payment Terms: T/T
- Supply Ability: 20 PCS PER MONTH



Product Specification

- Laser & Safety: 1535nm Class 1
- Spectral Range: 180nm ~ 460nm
- Memory: 16Gb, Support Extending To 32GB
- WIFI (specification): 2.4GHz 802.11n/b/a
- Continuous Working Time: 8h
- Weight: Approximate Weight With Battery: 1.9kg
- Highlight: **Accurate Handheld LIBS Analyzer**, **WIFI Handheld LIBS Analyzer**, **Accurate libs metal analyzer**



Our Product Introduction

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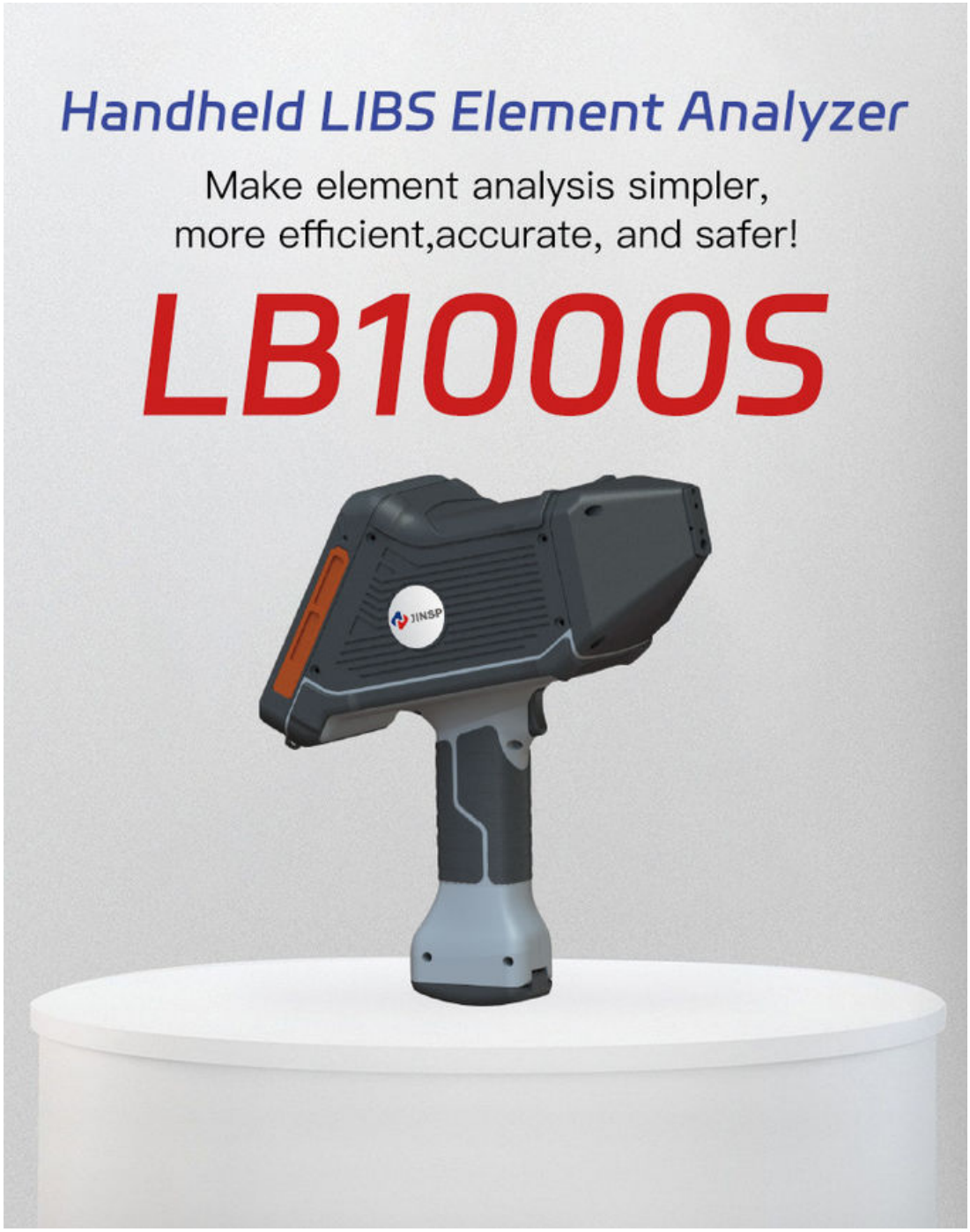
Product Description

Handheld LIBS Analyzer for Scrap Metal & Aolly Detection :

The Handheld LIBS is an efficient metal analyzer that can provide accurate and reliable results quickly for scrap metal and alloy detection. It is equipped with a laser safety feature classified as Class 1, ensuring the safety of users when handling the device. The laser used by this analyzer has a wavelength of 1535nm, which provides an optimal range for metal detection.

This metal analyzer has a continuous working time of 8 hours, ensuring that users can conduct extended testing without worrying about the device running out of power. This feature makes it an efficient tool for professionals who need to conduct metal analysis regularly.

In summary, the Handheld LIBS for Metal Detection is a top-performing portable LIBS analyzer that provides accurate and reliable results for metal analysis. With its wide compatibility, laser safety feature, lightweight design, and extended working time, it is the perfect tool for professionals in various industries who require a reliable metal analyzer.



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.

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.

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Wide compatibility

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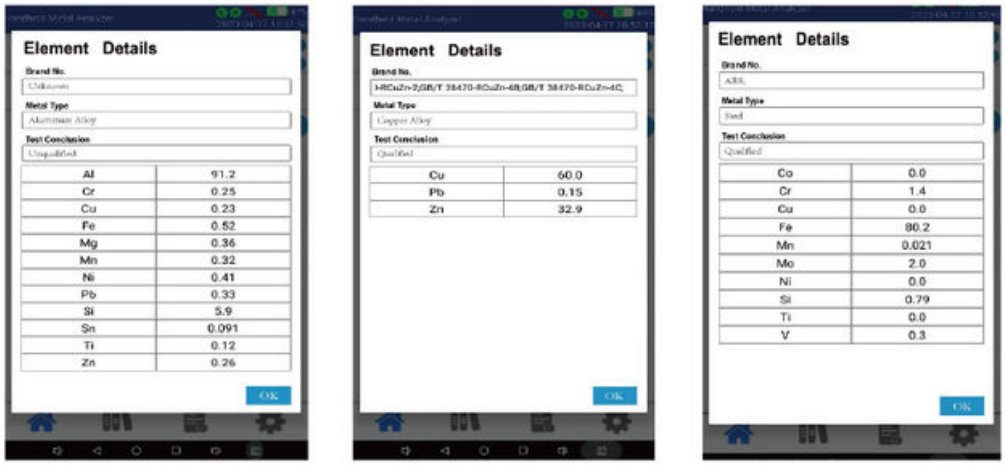
· It can be used for grade identification and element analysis in the recycling of scrap steel, scrap aluminum, and other recycled metals, helping customers achieve efficient utilization of recycled metal resources and enhance the value of recycled metals.

· 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.



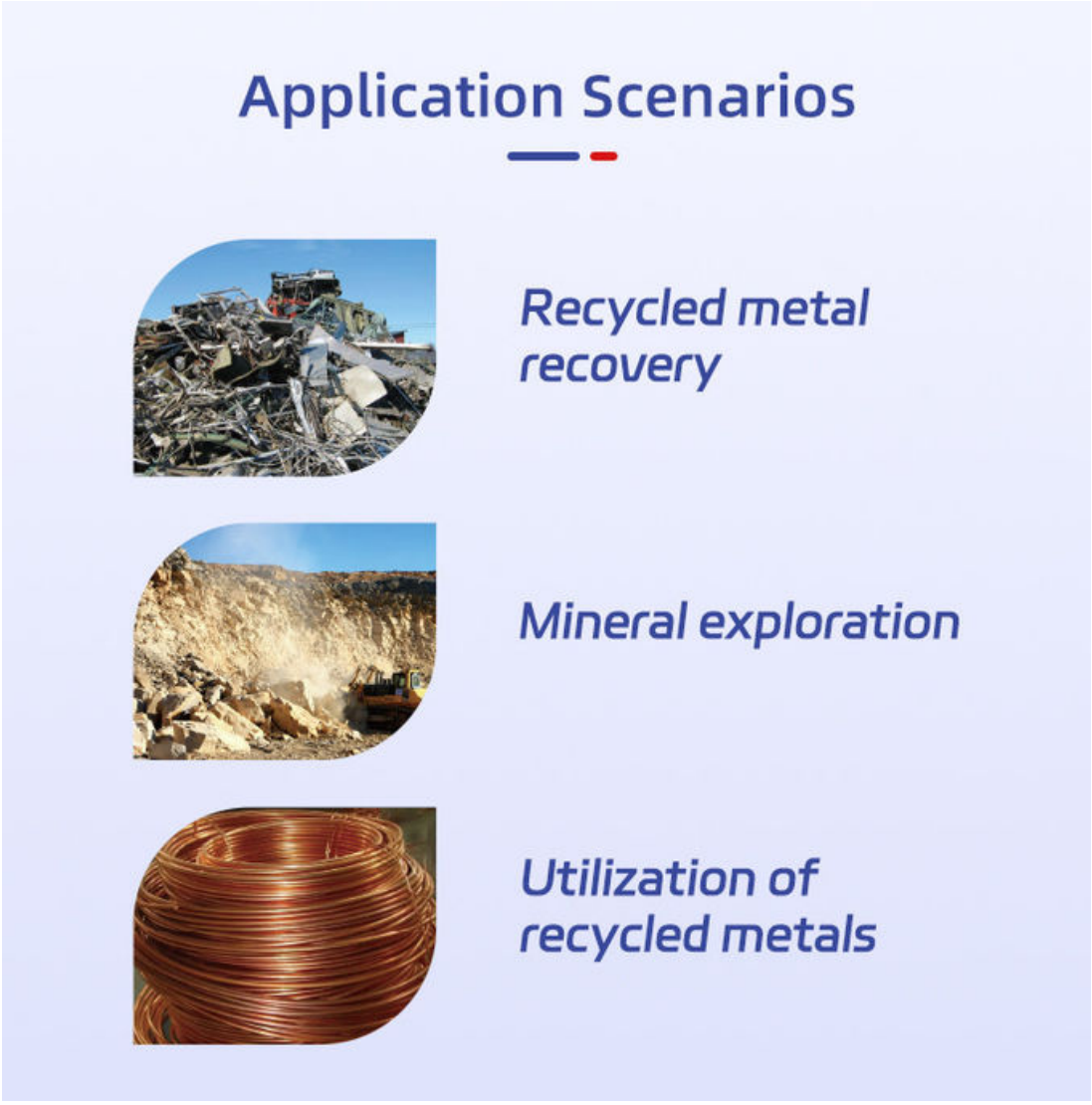
Specifications:

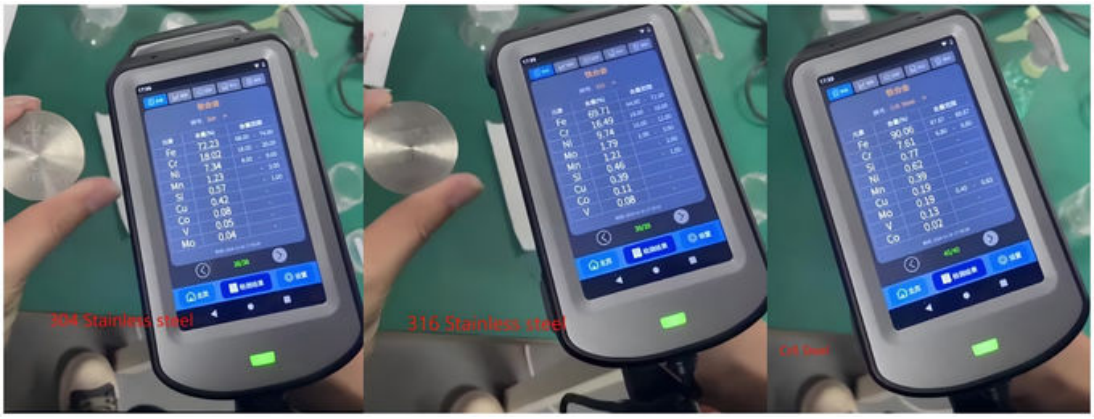
Detection Alloy Matrix	Aluminum based elements: Al,Si,Fe,Cu,Zn,Mg,Mn,Ni,Cr,Ti,Pb,Sn Iron based elements: Fe,Cr,Ni,Mn,si,Ti,Cr,Mo,V,Co Copper based elements: Cu,Zn,Mn,Al,Ni,Pb,Sn,Fe
Spectral range	180nm ~ 460nm
Laser wavelength	1535 nm, much safer for human eyes
Laser safety	Class1, the lowest risk among 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

Weight	Approximate weight with battery: 1.9Kg
Waterproof Performance	Industrial dustproof and waterproof, suitable for onsite inspection environments
WIFI	2.4GHz 802.11n/b/a
Display Screen	5.0-inch capacitive touch screen with sensitive touch control, pollution-resistant, and 720P display for natural and clear visuals
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
Applicable Materials	Solid substances such as metals, ores, and soil
Operating Time	Lithium-ion battery with a single battery operating time of no less than 4 hours

Typical Applications:

- Recycled metal recovery
- Utilization of recycled metals
- Alloys including light elements





Product Packaging:
The Handheld Element Analyzer will be packaged securely to prevent damage during shipping. The package will include:

Handheld Element Analyzer unit

Charging cable

User manual

Carrying case

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.

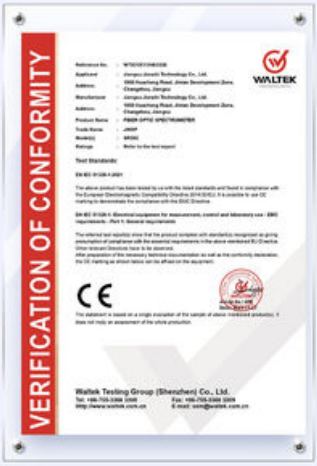
In addition to its main headquarters located in the bustling city of Beijing, JINSP has established a fully owned subsidiary manufacturing facility situated in the province of Jiangsu, China.

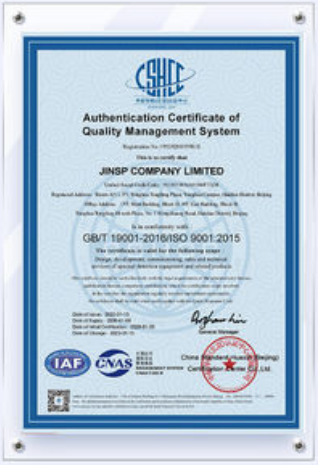
This strategic move allows JINSP to maintain stringent control over its production processes, ensuring that every product bearing the JINSP brand name meets the highest quality standards. The presence of this manufacturing base not only enhances the company's ability to deliver superior products but also underscores its commitment to excellence in manufacturing.

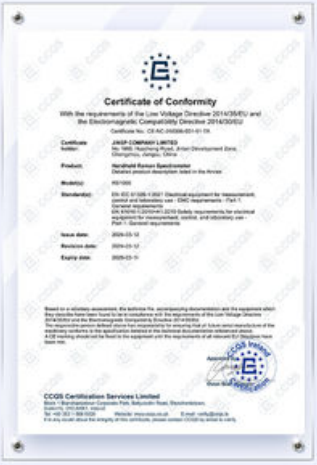
By having this dedicated facility, JINSP can closely monitor and manage every step of the production chain, from raw material selection to final quality checks, thereby guaranteeing that customers receive products of the utmost quality. This vertical integration approach further strengthens JINSP's market position and enables it to respond swiftly to market demands while maintaining consistent product quality.

Company Profile

Certifications







FAQ:

Q: What is the brand name of the handheld element analyzer?
A: The brand name of this product is JINSP.

Q: What is the model number of the handheld element analyzer?
A: The model number of this product is LB1000S.

Q: Where is the handheld element analyzer produced?
A: The handheld element analyzer is produced in CHINA.

Q: What is the minimum order quantity for the handheld element analyzer?
A: The minimum order quantity for this product is 1PC.

Q: What are the payment terms for the handheld element analyzer?
A: The payment terms for this product are T/T.

Q: What is the supply ability of the handheld element analyzer?
A: The supply ability for this product is 20 PCS PER MONTH.

Q: What are the packaging details for the handheld element analyzer?
A: The packaging details for this product are 1PC/BOX.

Q: Is the handheld element analyzer certified?
A: Yes, the handheld element analyzer is certified with CE and ISO9001.

JINSP Company Ltd.

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