Scrap Metal and alloy detection instrument Handheld LIBS in the field and real time

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

- Spectral Range: 180nm ~ 460nm
- Laser Wavelength: 1535nm
- Laser Safety: Class1
- Laser Pulse Frequency: 1000Hz
- Continuous Working Time: 8h
- Working Temperature: -10 ~ +40
- Highlight: **On Site Inspection Handheld LIBS Analyzer**, **Waterproof Handheld LIBS Analyzer**, **On Site Inspection portable element analyzer**

Product Description

Idea Scrap Metal and alloy detection instrument Handheld LIBS

JINSP LB1000S is quick, accurate, and comprehensive! With just 5 seconds, the LB1000S, which utilizes eye-safe lasers, can reveal the precise content of alloy elements in the metal matrix for you. No cumbersome pretreatment is required, goodbye to complicated sample processing procedures!

Simply grind the surface of the matrix to expose a testing plane with a diameter of about 5mm, and you can easily start the analysis. Easy, simple, and efficient, allowing you to quickly obtain results on-site!

Choosing us is the perfect combination of safety, efficiency, intelligence, accuracy, compatibility, lightness, and portability! Let your inspection work become easier and more relaxed!

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.

Typical Applications:

●Recycled metal recovery
●Utilization of recycled metals
●Scrap Metal & Alloy detection

Company Introduction:

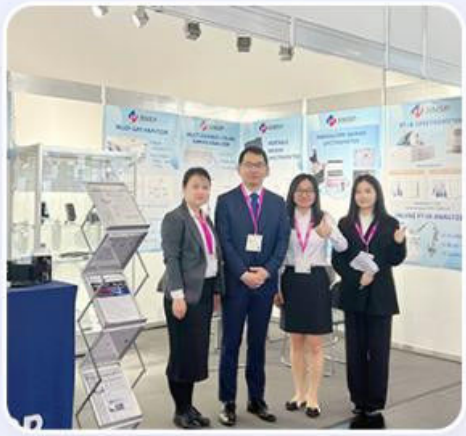
JINSP Company Limited, abbreviated as "JINSP", is a professional supplier with over 17 years of experience irspectral detection technology products, including Raman, FT-IR, LIBS technologies, etc. After 17 years of technology accumulation, the company's core key technologies have reached the international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

JINSP offers over twenty spectroscopic products across various fields, including pharmaceutical and chemical industries, public security, and customs. Products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

We uphold the core value of "customer-centric" to ensure that every customer can enjoy unprecedented flexibility and personalized experience. From the initial concept to the final product, we work closely together to ensure that every detail is accurately aligned with customer expectations, and together create exclusive products that exceed expectations.

Company Profile

Exhibition



Certifications

FAQ:

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

Q: Where is the handheld element analyzer manufactured?
A: The handheld element analyzer is manufactured in China.

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

Q: What is the supply ability for the handheld element analyzer?
A: The supply ability for the handheld element analyzer is 20 PCS per month.

Q: What is the payment term for the handheld element analyzer?
A: The payment term for the handheld element analyzer is T/T.

Q: What is the delivery time for the handheld element analyzer?
A: The delivery time for the handheld element analyzer is around 30 working days.

JINSP Company Ltd.

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