

CALIBUS



Established 1987

ARUN
TECHNOLOGY
MADE TO MEASURE



CALIBUS (LIBS)

CMOS-BASED LIBS ANALYSER

The CALIBUS is a series of Laser-Induced Breakdown Spectrometers (LIBS) from ARUN Technology. The CALIBUS 5 made industry history as the first CMOS-based LIBS analyser on the market capable of measuring carbon in ferrous metals – a breakthrough that redefined what handheld analysis could achieve.

Offering fast, reliable results, the CALIBUS series is an ideal analytical solution for QA/QC, metallurgical manufacturing, machining, petrochemical industries, scrap metal and recycling.

CALIBUS (LIBS)

"ADVANCED ANALYSIS. COMPACT DESIGN.
PROVEN PERFORMANCE."

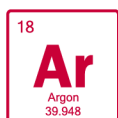


PRODUCT SPECIFICATIONS



HIGH-SPEED, HIGH-ACCURACY RESULTS

Thanks to advanced CMOS technology, the CALIBUS is capable of detecting a wide range of elements with exceptional accuracy and high repeatability. With analysis times as fast as one second, it delivers rapid, dependable results—ideal for high-throughput environments where precision matters.



ENHANCED PERFORMANCE WITH ARGON PURGE TECHNOLOGY

The CALIBUS 5 features advanced argon purge technology, which significantly reduces background noise and improves elemental detection capability—especially for light elements like carbon.

Each argon canister supports up to 100 burns. The portable argon bottle, supplied with the CALIBUS instrument, can refill the canister up to five times—enabling up to 500 continuous on-site tests without interruption.



INTUITIVE, INTERACTIVE INTERFACE

The CALIBUS features a user-friendly Android interface, making it as simple and familiar to operate as a smartphone. Its 5-inch high-resolution touchscreen offers seamless navigation and a smooth, responsive experience—even in demanding industrial environments.



NO RADIATION CERTIFICATION REQUIRED

As a laser-induced spectrometer (LIBS), CALIBUS eliminates the need for costly and time-consuming radiation safety training or certification—reducing overheads and simplifying deployment for your team.



BOOST PRODUCTIVITY WITH CALIBUS

With rapid analysis times, minimal setup, and easy operation, CALIBUS empowers users to complete more tests per day – making it the perfect instrument for fast-paced environments, in-line inspections, and large-scale inventory management



ROBUST AND DURABLE BY DESIGN

Built for tough environments, CALIBUS is splash and dust-resistant, with measurement optics protected by a durable glass window—ensuring long-lasting performance in the field.



VERSATILE ALLOY IDENTIFICATION WITH CALIBUS

CALIBUS enables fast, reliable analysis across a wide range of alloy types—including aluminium, magnesium, titanium, cobalt, chromium, nickel, and copper alloys, as well as stainless steels, tool steels, low alloy steels, and more.

PRODUCT SPECIFICATIONS



WORLDWIDE COMPATIBILITY

Engineered for global operations, CALIBUS is fully compatible with all international power supplies and current configurations, ensuring seamless integration into facilities around the world.



ALL-DAY BATTERY LIFE

CALIBUS delivers up to 8 hours of operation on a single charge when analysing one sample every 5 seconds. For extended use, two rechargeable batteries are included with the instrument.

COMPARISON	CALIBUS AI	CALIBUS 3	CALIBUS 5
Argon Flushed	No	No	Yes
Number of Optics	2	2	3
Bases Included as Standard	Al	Fe, Al, Cu	Fe, Al, Cu
Carbon Detection in Fe	N/A	No	Yes

STANDARD ACCESSORIES

- Waterproof and shockproof case
- 2 Lithium Ion batteries
- Charging dock for batteries
- Nylon wrist band and over the shoulder strap
- Memory stick (64G)

"THE CALIBUS IS A CMOS-BASED LIBS ANALYSER—PIONEERING CARBON MEASUREMENT IN FERROUS METALS AND BUILT FOR FAST, RELIABLE ANALYSIS ACROSS THE METALS, RECYCLING AND PETROCHEMICAL INDUSTRIES."



PERFORMANCE OVERVIEW

ACCURACY

Reliable results, every time.

With advanced LIBS technology, CALIBUS delivers precise, repeatable elemental analysis - reducing user error through its intuitive point-and-shoot design and providing dependable data you can trust across a wide range of alloys.



STRENGTH

Built to perform in tough environments.

Engineered for field use, CALIBUS is splash and dust-proof (IP54 certified), delivering long-lasting performance in even the most demanding industrial environments.



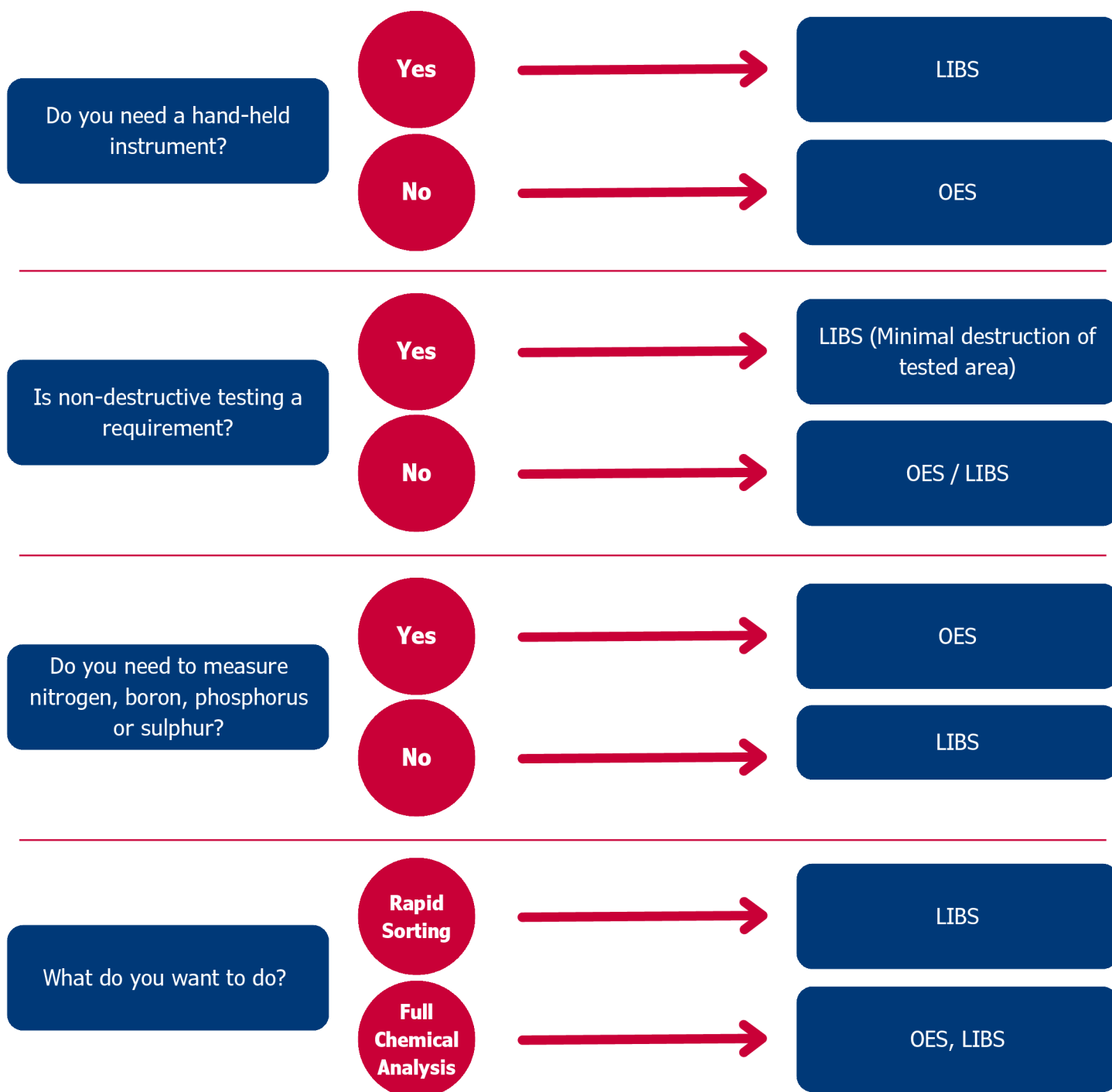
SPEED

Results in seconds, productivity that lasts.

With analysis times as fast as one second and a full-day battery life, CALIBUS keeps your operations moving. Its efficient performance and minimal sample impact make it a high-speed tool with real-world value.



OES OR LIBS ?



OES and LIBS are both used for accuracy and precision of results in elemental analysis.

OES offers high-precision results, ideal for lab-based analysis.

LIBS, provides fast, portable testing with minimal sample prep. Perfect for rapid, on-site alloy verification.

OUR SERVICE COMMITMENT

At ARUN Technology, we take pride in delivering exceptional customer care - before, during, and after your purchase.

Our dedicated ARUN Service Support team is here to help protect and maintain your spectrometers, providing reliable coverage to prevent faults and minimise downtime. ARUN Technology is committed to keeping your operations running smoothly with expert after-sales care.

Our services include:



ANNUAL PREVENTATIVE MAINTENANCE

Protect the long-term performance of your OES instrument with regular servicing and expert support.



COMPONENT REPLACEMENT & INTERNAL CLEANING

Key optical components and replenishable parts are replaced before degradation, while internal cleaning prevents contamination and unplanned downtime.



MATRIX CALIBRATION CHECKS

Performed by experienced engineers using certified samples to ensure accuracy. Fine-tuning is carried out to optimise key elements within your specific grades and alloys.



CERTIFICATES OF CALIBRATION

Issued after service work is completed to certify instrument performance and support compliance for auditing purposes.



TELEPHONE HELP DESK

Expert support when you need it, helping resolve issues quickly and efficiently.



CONSUMABLES & SPARE PARTS

A full range of consumables, including electrodes and spare part kits, is available to support ongoing use. Consumables and spares are ready for immediate dispatch from our UK office.




3 YEAR WARRANTY


Enjoy the peace of mind with 3 year coverage to protect your investment and avoid unexpected costs

CONTACT

 www.aruntechnology.com

 info@aruntechnology.com

 +44 (0) 1293 513123

 16 The Brunel Centre
Newton Road, Crawley
West Sussex, RH10 9TU



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ISO 9001, ISO 14001
ISO 45001, ISO 27001

