

PLIBS-3601

Portable LIBS Spectrometer
(Laser Induced Breakdown Spectroscopy)



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

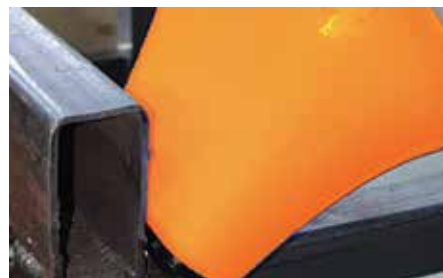
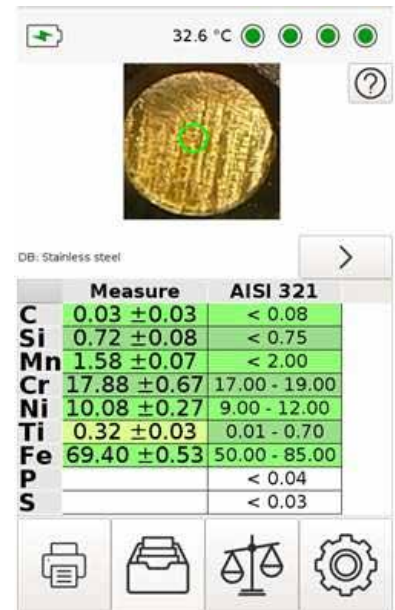
Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Features

- **Carbon analysis** : The PLIBS-3601 allows to measure carbon concentration in steels without using argon, directly in the air.
- **Speed** : High speed analysis, result in 1 sec.
- **Accuracy** : Provides unsurpassed resolution of 0.01 nm over the entire measurement range.
- **Portability** : Small dimensions and weight comparable to a handheld power tool.
- **Reliable** : Unlimited operating life, compared to X-ray fluorescence spectrometers (XRF).
- **Built-in grade library** : Based on the results of the analysis, the steel or alloy grade is displayed on the screen.
- **CE Value** : Measurement of carbon equivalent values
- **Camera** : High resolution camera to capture the location of analysis.



►► AREAS OF USE

- Input / output control of metals, alloys
- Sorting scrap
- Spectral analysis in laboratory studies



The PLIBS-01 metal analyzer works on LIBS (Laser Induced Breakdown Spectroscopy) Principle. It is designed for operational input inspection of rolled metal products, determination of steel grades, scrap of non-ferrous and ferrous metals and alloys. The spectrometer provides high speed in determining chemical elements: C, Si, Mn, Cr, Ni, Fe, Mg, Al, V, Cu, Zn, Sn, Mo, Ti, W, Nb, Pd, Ag, Cd, Pt, Au and others.

►► TECHNICAL CHARACTERISTICS

Source of radiation	Pulsed DPSS Laser 1064 nm
Measurement point size	50 microns
Measurement duration	1.0 sec
Laser emitter safety class	3 b
Working spectral range	177-380 nm
Display	5" color touch screen display
Memory	32 GB
Data Transfer	WIFI and Bluetooth
Language	English, German and Russian
Security	Password Protection
Duration of autonomous work	More than 200 dimensions
Power	Replaceable Li-ion battery
Operating conditions : ambient air temperature	From -15 to +40 °C

►► OTHER INCLUSIONS

- Possibility to adjust the device operation parameters to the selected task
- Free built-in client software

►► DELIVERY SET

- Portable laser spectrometer
- Transport case
- Thermoprinter
- Protective cover
- Batteries
- Reference sample

►► DIFFERENT BASE AND ALLOY IMPURITIES

The basis	Impurities
Fe	C, Si, Mn, Cr, Ni, V, Cu, Ti, Mo, Co, Al, Nb, W
Al	Si, Zn, Mn, Mg, Fe, Cu, Ni, Be, Ti, Cr
Cu	Si, Zn, Mn, Al, Be, Sb, Ni, Sn, Pb, Fe, Cr
Ni	Al, Si, Ti, V, Cr, Mn, Fe, Co, Cu, Nb, Mo, W
Ti	Mo, V, Al, Fe, Cr, Zr, Mn
Zn	Al, Cu, Fe, Sb

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



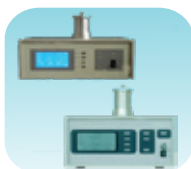
Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



 **Analytical**®
Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide