

PLS - 3002

PORTABLE LASER SPECTROMETER



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Product Introduction

The analyzer is designed for on-line incoming inspection of rolled metal products, determination of steel grades, scrap of non-ferrous and ferrous metals and alloys.

The spectrometer provides high speed in the determination of chemical elements: C, Si, Mn, Cr, Ni, Co, Fe, Mg, Al, V, Cu, Zn, Pb, Sn, Mo, Ti, W, Nb, Cd and others.

►► Specification

Radiation source	Pulsed DPSS laser 1064 nm
Measuring point size	50 μm
Measurement duration	1.0 sec
Battery life	Over 200 measurements
Nutrition	Replaceable lithium-ion battery
The weight	2.2 kg
Operating conditions: ambient temperature	From -10 to +40 °C



►► OPPORTUNITIES

Carbon analysis. PLS 3002 allows you to measure the carbon concentration in steels without the use of argon, directly in air.

Accuracy. Provides an unsurpassed resolution of 0.01 nm over the entire measuring range.

Portability. Small dimensions and weight, comparable to a hand-held power tool.

Reliability. Endless service life compared to Xray fluorescence (PLS) spectrometers.

Built-in brander. According to the results of the analysis, the steel or alloy grade is displayed on the screen.

►► ADVANTAGES

- Possibility to configure the device operation parameters for the selected task
- Free built-in client software
- Warranty 24 months
- Calibration for different bases and impurities of alloys:

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

►► THE DEVICE IS SUPPLIED IN ONE MAXIMUM COMPLETE PACKAGE

- Portable laser spectrometer
- Transport case
- Control sample
- Power Supply
- Thermal printer
- Rechargeable batteries
- Charger

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.



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