S3 MiniLab 300

Ultracompact Optical Emission Spectrometer

GNR OPTICA®

ANALYTICAL INSTRUMENTS GROUP

GNR OPTICA®
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CMOS INSIDE

About us

GNR OPTICA
ANALYTICAL INSTRUMENTS GROUP

GNR, thanks to its 35 years of experience, is a worldwide market manufacturer of advanced analytical instruments, developing procedures of analysis for various applications, supplying the corresponding laboratory equipment and providing consulting and Customer support worldwide, through its well established sales and post-sale network.

GNR projects and manufactures Optical Emission Spectrometers (OES) and Rotating Disc Electrode Optical Emission Spectrometers (RDE-OES) for the measurement of elemental composition of metal alloys and the analysis of contaminants, additives and wear metals in oils and lubricants, coolants and hydraulic fluids.

GNR designs and produces X-Ray Diffractometers (XRD) and X-Ray Fluorescence Spectrometers (XRF) for the study of material structure and elemental composition for both academic and industrial applications.

GNR Head Office and Production Site is located in Agrate Conturbia (Novara), near Lago Maggiore; 20 minutes from MALPENSA Airport.

Certified Company

Highest quality in our products and services is a core value for **GNR**.
Full commitment is dedicated to support our quality system in the overall process and continuous improvement is fundamental to guarantee GNR compliance to the internationally accepted quality management standard ISO 9001.

CERTIFICATO
Nr. 50 100 4258 - Rev.006
Si attesta che / This is to certify that
IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF
G.N.R. S.r.l.
SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:
VIA TORINO 7
IT - 28010 AGRATE CONTURBIA (NO)
È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF
UNI EN ISO 9001:2015
QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE
Progettazione, fabbricazione, assistenza e messa in esercizio di spettrometri ad emissione ottica e strumentazione a raggi X per la caratterizzazione dei materiali. Commercializzazione di prodotti associati ed affini (IAF 19, 29)
Design, manufacture, service and start-up of optical emission spectrometers and x-ray instruments for materials characterization. Trade of complementary and similar product (IAF 19, 29)
ACCREDIA
SGQ N° 049A
Per l'Organismo di Certificazione / For the Certification Body
TÜV Italia S.r.l.
Validità / Validity
Dal / From: 2019-04-23
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GNR periodically organizes at its facility courses and training for technicians and agents as well as seminars and demonstrations.

Thanks to an extensive network of agents GNR provides technical support and delivers spare parts worldwide.

In relation to the process of continuous development, GNR reserves the right to change specifications of the instruments without previous notice at any time; the real ones will always be those shown in the final order confirmation.

S3 MiniLab 300

ULTRACOMPACT OPTICAL EMISSION SPECTROMETER

GNR OPTICA ANALYTICAL INSTRUMENTS GROUP

Ultra Compact size, Outstanding Analytical Results

S3 MiniLab 300 is the newest Spark Emission Spectrometer designed by GNR to celebrate its 35th year of operations.

MiniLab instruments are ones of the smallest and lightest compact optical emission spectrometers available on the market with outstanding analytical results in this category.

S3 MiniLab 300 offers an excellent solution for metal analysis: it combines easiness of use, low maintenance cost, affordable price with the most advanced technological optical and electronical components, CMOS detectors ensuring complete spectral coverage at the best resolution and light efficiency.

It is fully suitable not only for general purpose applications but also more demanding and heavy duty applications. With its extended analytical range from 130 up to 700 nm can cover almost all the analytical requirements of a modern foundry but not only.

The result is a completely new instrument with the possibility to cover the entire spectrum of elements in metals with low detection limits.

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Technical Specifications

S1 MiniLab 300	
Purpose	Easiness of use, low maintenance cost, very competitive price with the most advanced technological optical and electronic components for the metals producing and processing industry
Applications	Fe, Al, Cu, Ni, Zn, Ti, Mg, Co, Pb, Sn Low Nitrogen in Fe Matrix Sodium / Lithium in Al Matrix
Detector	CMOS
Optical Chamber	Argon purged with Proprietary Low Consumption Argon Device
Alloy Database	i.e. UNI, ASTM, DIN
SW	EOS® GNR proprietary SW
Wavelength Range	130 – 700 nm
Power Supply	110/220 V AC 16 A 1 KW
Height x width x depth	530 x 830 x 460 mm
Weight	70 Kg
Personal Computer	Optional

S3 MiniLab 300

Ultracompact Optical Emission Spectrometer

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Highlights and applications

- Wide range of analysed Elements and Alloys
- Outstanding analytical performance using CMOS detector
- Reduced measurement time
- New EOS® SW with different results formats
- Compact size and limited weight
- Best price - to - performance ratio

GNR Service

GNR Global Support Network offers an excellent technical service to ensure the full instrument operation.

- **Training**
  Understand your analyser and its features
- **Online Remote Help Desk**
  Troubleshooting at your fingertips
- **Certification and maintenance**
  Keep your spectrometer in line with international regulations
- **Spare parts and consumables**
  Extensive stock availability of spare parts, consumables and accessories
- **Warranty plans**
  Protect your investment subscribing extended maintenance plan
- **Maintenance**
  Effective and fast recovery operations conditions

More information

To find out more about GNR range of optical emission spectrometers, visit:
http://www.gnr.it/products/optical-emission-spectrometry/

Local Agent

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