



ANALYTICAL INSTRUMENTS GROUP

# MINILAB 150

ULTRACOMPACT OPTICAL EMISSION SPECTROMETER



[www.gnr.it](http://www.gnr.it)

# About us

**GNR**, thanks to its 40 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 Head Office and Production Site is located in Agrate Conturbia (Novara), near Lago Maggiore; 20 minutes from MALPENSA Airport.



**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.

## 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.



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.





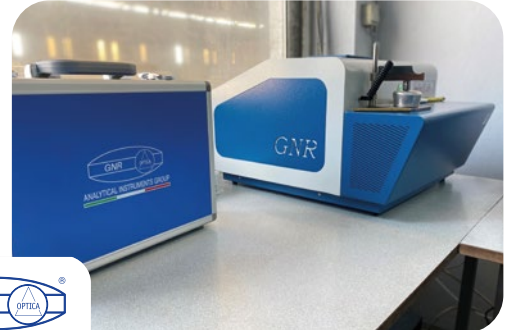
### Ultra Compact size, Outstanding Analytical Results

Quality Control is crucial in the metals industry at several phases of production. MiniLab 150 is the ideal solution for the metal production and processing industry.

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

**S1 MiniLab 150** optical emission spectrometer combines easiness of use, low maintenance cost, very competitive price with the most advanced technological optical and electronic components. Innovative use of CMOS detectors assures the best luminosity available.

**S1 MiniLab 150** is a multi-matrix spectrometer manufactured with an innovative optical design. The innovative argon purged optic, with low argon consumption, ensures the maximum light transparency even in UV region at a negligible cost.



### Technical Specifications

#### S1 MiniLab 150

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
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	170 – 460 nm
Power Supply	110/220 V AC 16 A 1 KW
Width x Depth x Height	500 x 590 x 310 mm
Weight	35 Kg
Personal Computer	Optional



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## Highlights and applications

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- 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 (35 kg)
- Best price - to - performance ratio

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## GNR Service

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- 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



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