Noble T7 OES

High Precision Metal Analyzer





Precision · Speed · Stability

Your Reliable Analysis Partner

Technical Features

Noble T7 Optical Emission Spectrometer is specifically designed for high-precision elemental analysis of solid metal samples across a wide dynamic range—from trace to high-concentration levels. It delivers exceptional sensitivity and accuracy, particularly in the detection of non-metallic elements in the deep ultraviolet region, making it well-suited for the stringent requirements of industries such as metallurgy, automotive manufacturing, aerospace, and consumer goods production.



Technical Specifications

Product Model	Noble T7
Detectable matrix	Fe,Al,Cu,Ni,Co,Mg,Ti,Zn,Pb,Sn,etc.
GRADE database	Included
Light source type	Programmable digital light source
Optical system	Paschen-Runge mounting / High Energy Photon Source
Wavelength range	120–800 nm
Grating focal length	401 mm
Height x Width x Depth	L610*W750*H1140mm
Weight	Approximately 160kg

Noble T7 OES

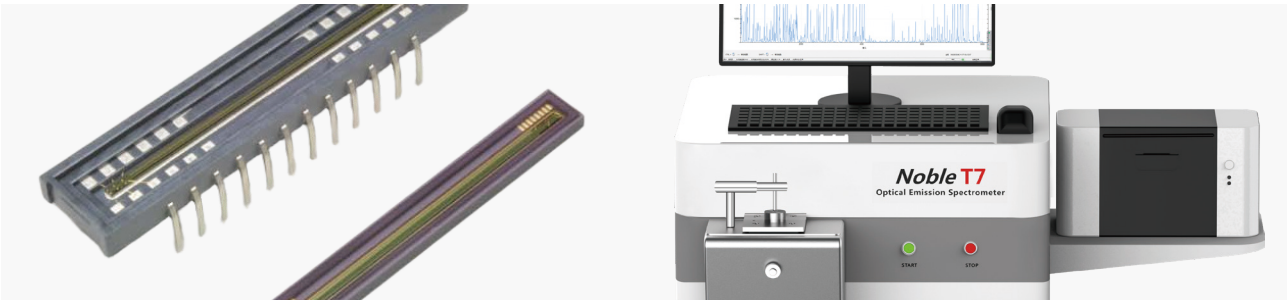
High Precision Metal Analyzer

Technical Features

Built on decades of application expertise, the Noble T7 integrates advanced full-spectrum direct-reading technology with a stable optical system, ensuring excellent repeatability and reliability of analytical results. Ideal for quality control, material development, and process optimization, it provides a robust and accurate solution for metal analysis in both laboratory and industrial environments.

Detection & Optics

- Scientific-grade CMOS sensor: ppm-level detection limits for metals, ideal for 99.95%+ purity samples.
- Broad spectral range (120–800 nm) enables accurate analysis of non-metallic elements, including low-content nitrogen.



Hardware & Design

- Patented integrated gas manifold: reduces Ar consumption and failure points.
- Maintenance-free GDS digital source (up to 1000 Hz) with adjustable parameters for optimal excitation.
- CAN bus communication and multi-layer isolation ensure EMI-free operation.

Software & Calibration

- Auto-diagnostics monitor critical modules (temperature, pressure, etc.).
- Factory pre-calibrated curves with interference correction guarantee low-element accuracy.
- Real-time drift correction automatically adjusts for stable, reliable results.

Our Service

Our global network of service hubs provides a full range of technical support:

- Telephone help-desk
- On-line diagnostics
- Rental instruments
- Maintenance
- Training
- Extended warranty
- Consumables and accessories
- Repair service

Optional Accessories



JB-4B
Argon Purifier



CWY-II-1KVA
Stabilizer



MYJ-1A
Grinding Machine



OT2-A180A
Mini Lathe



CRM

For more information, please contact us.

Phone: +86-18118915623
Email: sales@wxjiebo.cc
Website: www.jiebo-instrument.com

Wuxi Jiebo Instrument Technology Co.,Ltd.
Add: No. 26-9, Huibei Road, Liangxi District, Wuxi City, Jiangsu Province, China

Copying or reproducing the content of this document without permission is prohibited.