



Thermo Fisher Scientific

Thermo Fisher Scientific Niton Apollo LIBS Analyzer

Pine Item #56096

DESCRIPTION:

When carbon detection and mobility are top of mind, industrial businesses rely on the Thermo Scientific Niton Apollo LIBS analyzer. Leveraging Laser-Induced Breakdown Spectroscopy (LIBS), the Niton Apollo delivers superior performance and enhanced productivity. Unleash the possibilities and bring the power of lab analysis to the field.

FEATURES:

- Rapid results: Powered by a class 3B laser the Niton Apollo generates accurate results in about 10 seconds.
- View alloy identification and advanced averaging instead of sending results to the lab.
- Data is displayed in real time enabling fast and efficient decision making.
- Standard Accessories: Locking shielded carrying case Two (2) Milwaukee® M18 Redlithium High Demand 9.0 Battery Packs One (1) Milwaukee® M18 & M12 Multi-Voltage Charger Thermo Scientific analytical argon Setup standards Laser safety glasses Instrument cleaning kit Safety lanyard and carabiner PC connection cable

APPLICATIONS:

- Verification of metal alloys in manufacturing operations
- Field inspections for positive material identification (PMI)
- Qualification of Material Test Reports (MTR) throughout the supply chain supply chain
- Quality Assurance (QA) of outgoing production
- Quantification of carbon equivalency and pseudo elements in field testing



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Product Specifications

Weight	6.4 lbs with battery (2.9 kg)
Dimensions	12 x 13 x 4 in (30.48 x 33.02 x 10.16 cm)
Laser	1064nm laser
Safety Features	Pressure, camera, and spectral sensor interlocks
Analytical Range	Al, C, Cr, Cu, Fe, Mn, Mo, Ni, Si, Ti, V, W
Argon Usage	About 200 shots per cylinder
Libraries	Default alloy libraries based on SAE, AISI, ASTM standards Users may create, clone and edit libraries
IP Rating	IP54 (splash and dust proof)
Operating Environment	Temperature: 0°C to 40°C
Display	Tilting, color, resistive touchscreen display
Power	24VDC, 3A, 95W power supply
Macro Camera	Integrated CCD macro camera for capturing overview images of parts and tagging measurement locations
Micro Camera	Integrated CCD micro camera for locating and recording measurement positions
Global Positioning System	Internal GPS Ability to include GPS data with sample information
Bluetooth	Supports print functionality
Memory / Data Storage	512 MB internal system memory / 16 GB industrial grade storage Stores approximately 5,000 readings with spectra (fewer if macro and micro images are saved)
Data Entry	Touchscreen keyboard User customizable data entry
Data Transfer	WiFi, USB
Operating System	Linux
Support Software	NitonConnect PC software
Security	Password-protected user security
Languages	English
Standard Accessories	Locking shielded carrying case Two (2) Milwaukee® M18™ Redlithium™ High Demand™ 9.0 Battery Packs One (1) Milwaukee® M18™ & M12™ Multi-Voltage Charger Thermo Scientific™ analytical argon Setup standards Laser safety glasses Instrument cleaning kit Safety lanyard and carabiner PC connection cable
Optional Accessories	Thermo Scientific™ bulk argon adapter Additional laser safety glasses
Compliance	CE, RoHS, FCC, Industry Canada, Safety to IEC 61010-1:2010
Licensing / Registration	Varies by region. Contact your local distributor.



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