

Rugged and reliable

Fast, accurate, versatile XRF analysis

When durability, performance and productivity are top of mind, industrial businesses rely on the Thermo Scientific™ Niton™ XL2 Plus handheld XRF analyzer. Offering superior analysis and enhanced robustness, the Niton XL2 Plus is built for the way you work. Founded on a reputation of dependability and reliability, you can count on the Niton XL2 Plus for years to come.

Applications

- Verification of metals and alloys in manufacturing
- Quality Assurance testing for positive material identification
- Point-and-shoot sorting at scrap recycling operations
- Coating thickness measurements for single or binary metal layers
- Precious metal assay of bullion and jewelry
- Geochemical analysis for ore trading and grade control
- On-site heavy metal screening of polluted soils
- Lead in paint inspection of industrial facilities
- Screening of hazardous substances in consumer goods

Analytical performance

Designed to provide fast analysis and low detection limits, the Niton XL2 Plus ensures reliable results. Powered by a proprietary 2W x-ray tube, dynamic current adjustment and a next generation silicon drift detector, the Niton XL2 Plus delivers optimal sensitivity for each measurement. Leveraging a smart Fundamental Parameter (FP) calibration, the Niton XL2 Plus corrects for sample matrix effects to generate accurate results.

Purpose built

Maximizing form and function, the Niton XL2 Plus is engineered to conquer your toughest environments. Analyze sharp items while minimizing puncture risk with standard Detector ProGuard protection. Backed by a certified IP54 rating, the Niton XL2 Plus is sealed against moisture and dust, ensuring uninterrupted operation, even in the harshest of industrial environments.

Functionality

A simplified application interface eases navigation and maintains point-and-shoot simplicity. Utilize touchscreen functionality or optional directional keys for speedy navigation. A hot-swap battery keeps you up and running



The Thermo Scientific™ Niton™ XL2 Plus handheld XRF analyzer.

when it's time to replace a low battery. While an integrated micro camera and nose guard alignment provide precise sample positioning for each measurement.

Versatility

Whether in the field, or on the shop floor, the Niton XL2 Plus keeps you primed and prepped for the most challenging industrial environments. Operators have the ability to scan a broad range of materials for diverse applications. Identify pure metals and alloys, detect tramp elements, or obtain geochemical data- the Niton XL2 Plus is up for the challenge.

Product Specifications

Weight	3.4 lbs with battery (1.53 kg)
Dimensions	10.25 x 11 x 4 in. (256 x 275 x 100 mm)
Tube	Ag anode (45 kV maximum, 200 uA maximum) Dynamically adjustable current for optimal sensitivity on every analysis
Detector	High Speed Silicon Drift Detector Detector ProGuard protection included
System Electronics Processor	400 MHz ARM 11 CPU 300 MHz dedicated DSP 80 MHz ASICs for digital pulsed processing 4096 channel MCA 64 MB internal system memory / 128 MB internal user storage
Standard Alloy Analytical Range	More than 30 common elements for rapid alloy identification
Modes	General Metals, Precious Metals, Mining, Soils, Industrial Lead in Paint, Lead in Paint Products, Electronic Alloys, Plastics Note: Elemental suite varies by mode
Libraries	Users may create and edit libraries Default alloy libraries based on SAE, AISI, ASTM, AA standards
Display	Fixed angle, color touchscreen display
Data Storage	Up to 10,000 readings with spectra
Data Transfer	USB, Bluetooth, and RS-232 serial communication
Security	Password-protected user security
Data Entry	Touchscreen keyboard User-programmable pick lists Optional wireless remote barcode reader
Camera	Integrated Micro Camera for locating and recording measurement positions
Languages	English, Chinese, Spanish, Portuguese, Russian, Japanese, German, Korean, French, Italian, Czech
Standard Accessories	Locking shielded carrying case Two lithium-ion battery packs 110/220 VAC battery charger/ AC adaptor PC connection cables (USB and RS-232) Niton Data Transfer (NDT) PC software Belt holster Safety lanyard Check samples
Optional Features and Accessories	Thermo Scientific™ portable test stand Thermo Scientific™ mobile test stand Thermo Scientific™ field mate test stand Thermo Scientific™ soil guard
Compliance	CE, RoHS, FCC, Industry Canada, Safety to IEC 61010-1, UL 61010-1, IP54
Licensing and Registration	Varies by region. Contact your local distributor.

Learn more at thermofisher.com/XL2Plus

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