Thermo Scientific Niton XL2 XRF Analyzer

Thermo Scientific Niton XL2 x-ray tube-based x-ray fluorescence (XRF) analyzers are purpose-built for your demanding applications. When speed, accuracy, and reliability count, our perfect combination of hardware, software, and direct industry experience helps meet your specific analytical requirements.

The Niton XL2 – the practical solution from the pioneer in handheld XRF instrumentation. Leadership through excellence in innovation.



Thermo Scientific Niton XL2 analyzers provide you with many distinct advantages:

- Very easy to use even by non-technical personnel
- Rugged design for real-world industrial environments
- Truly nondestructive test with near instantaneous results
- From turn on to trigger pull to results in seconds
- Confident analysis with technology from the industry leader



Built for the Way You Work

The value choice Thermo Scientific
Niton XL2 analyzer offers high performance
and advanced electronics while
maintaining the point-and-shoot simplicity
that has been the hallmark of all of our
XRF instruments. Sealed against moisture
and dust with 100% embedded software
tools, these analyzers are lightweight yet
ruggedly built to withstand the harshest
environments — in the field or on the shop
floor.

Ergonomically designed and featuring daylight-readable icons, the Niton® XL2 incorporates customizable menus for ease of use, multi-language options, and a standard analytical range of more than 25 elements from sulfur to uranium.

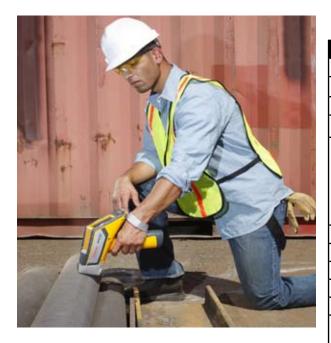
The Instrument of Choice

The Niton XL2 is the instrument of choice when you require accuracy, precision, and ease of use. It is the ideal instrument to:

- Analyze metal alloys for scrap recycling or final product QC
- Carry out grade control, plant operations, and near-mine exploration
- Screen electronics and consumer goods for lead

For example, the Niton XL2 is the definitive tool for scrap metal recycling. It provides immediate nondestructive chemical analysis of alloy materials from titanium to nickel, as well as achieving superior performance for tramp and trace element analysis. With its unparalleled accuracy, you can be confident that the Niton XL2 won't misidentify value, grade, or residuals.





The Niton XL2 stands far above the competition, with its many standard features and available options. Taking advantage of the standard Thermo Scientific Niton Data Transfer (NDT©) PC software suite to customize the instrument, you can set user permissions, generate custom reports, print certificates of analysis personalized with your own company logo, or remotely monitor, and operate the instrument hands-free from your PC. Integrated USB and BluetoothTM communications provide direct data transfer to your PC or networked storage device, eliminating the cumbersone data synchronization procedures required by PDA-based XRF analyzers.

Niton XL2 Analyzers

Whether you need an analyzer for metal alloy analysis, mining operations, or electronics and consumer goods screening, the value-choice Niton XL2 provides cost-effective high-speed performance, point-and-shoot simplicity, and the cutting-edge technology that you have come to expect from industry-leading Thermo Scientific Niton XRF analyzers.

Niton XL2 Specifications

| Weight | 3 lbs 5.8 oz (1.53 kg) |
|--------------------------------------|--|
| Dimensions | 10.25 x 11 x 4 in. (256 x 275 x 100 mm) |
| Tube | Ag anode 45 kV maximum, 80 uA maximum |
| Detector | High-performance semiconductor |
| System Electronics | 400 MHz ARM 11 CPU |
| | 300 MHz dedicated DSP |
| | 80 MHz ASICS DSP for signal processing |
| | 4096 channel MCA |
| | 64MB internal system memory/ 128MB internal user storage |
| Display | Fixed angle color touch-screen display |
| Standard Analytical Range | >25 elements from S to U (varies by application) |
| Data Storage | Internal >10,000 readings with spectra |
| Data Transfer | USB, Bluetooth™, and RS-232 serial communication |
| Security | Password-protected user security |
| Mode | Alloy Modes: Metal Alloy, Electronics Alloy, Precious Metals |
| (Varies by Application) | Bulk Modes: Mining, Soil |
| | Plastic Modes: RoHS Plastics, Toy & Consumer Goods Plastics, TestAll™, Painted Products |
| | Custom Modes: Upon request (based on application feasibility) |
| Data Entry | Touch-screen keyboard |
| | User-programmable pick lists |
| | Optional wireless remote barcode reader |
| Standard Accessories | Locking shielded carrying case |
| | Shielded belt holster |
| | Two 6-cell lithium-ion battery packs |
| | 110/220 VAC battery charger/ AC adaptor |
| | PC connection cables (USB and RS-232) |
| | Niton Data Transfer (NDT©) PC software |
| | Safety lanyard |
| | Check samples/standards |
| Optional Features and Accessories | Thermo Scientific portable test stand, stationary (bench-top) stand, mobile test stand |
| | Welding mask |
| | Soil testing guard |
| Licensing/Registration | Varies by region. Contact your local distributor. |
| Compliance | CE, RoHS |

Thermo Scientific Niton XL2 analyzers represent just one of our handheld analyzer solutions, which include XRF tools for metal alloy identification, lead-based paint testing, RCRA metals in soil, toy and consumer goods screening, RoHS and WEEE compliance screening, and many other analysis needs.

©2009 Thermo Fisher Scientific Inc. All rights reserved. Bluetooth is a trademark of Bluetooth SIG, Inc. All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.