

Built for the way you work

General metal analyser

The value choice Thermo Scientific™ Niton™ XL2 analyser offers high performance and advanced electronics while maintaining the point-and-shoot simplicity that is the hallmark of all our x-ray fluorescence (XRF) instruments. Sealed against moisture and dust with 100% embedded software tools, these analysers 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 100G incorporates customisable menus, multiple language options, and a standard analytical range of 25 elements from titanium to bismuth.

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

- Precise elemental analysis of alloy materials
- From turn on to trigger pull to near instantaneous results
- Very easy to use – even by non-technical personnel
- Rugged design for the most challenging industrial environments
- Completely nondestructive test

The Instrument of Choice

The Niton XL2 is the instrument of choice to ensure accuracy, precision, and ease of use.

It is the ideal instrument to:

- Analyse metal alloys for scrap recycling or final product QC
- Rapid alloy ID for incoming QC

The Niton XL2 is the definitive tool for scrap metal recycling. It provides immediate nondestructive chemical analysis of common alloy materials. With its unparalleled accuracy, you can be sure that the Niton XL2 100G precisely identifies grade and value of scrap.

The Niton XL2 100G stands far above the competition, with its many standard features and available options. By utilising the standard Thermo Scientific Niton Data Transfer (NDT©) PC software suite to customise the instrument, you can set operator permissions, generate custom reports, print certificates of analysis personalised with your own company logo, or remotely monitor and operate the instrument hands-free from your PC.

Integrated USB and Bluetooth® communications provide direct data transfer to your PC or networked storage device, eliminating the cumbersome data synchronisation procedures required by Windows Mobile®-based XRF analysers.



Product Specification

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 38 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 64 MB internal system memory/128 MB internal user storage
Display	Fixed angle, colour, touch-screen display
Standard Analytical Range	25 elements from Ti to Bi
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
Data Entry	Touch-screen keyboard User-programmable pick lists Optional wireless remote barcode reader
Standard Accessories	Locking shielded carrying case Shielded belt holster One 6-cell lithium-ion battery pack 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
Licence/Registration	Varies by region. Contact Niton UK
Compliance	CE, RoHS

Thermo Scientific Niton XL2 analysers represent just one of our handheld analyser 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.

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