



Screen toys and consumer goods with confidence

features and available options, it stands far above the competition. Integrated USB and Bluetooth™ communications provide direct data transfer to the user's PC or networked storage device, eliminating cumbersome data syncing procedures required by PDA-based XRF analyzers. A clip-on weld mask and folding test stand help users safely analyze difficult to measure samples. Additionally, the optional heat shield extends the hot-surface testing capability from 600°F (315°C) to 1,000°F (538°C), protecting both the analyzer and the operator's hand from these elevated temperatures. Add the optional integrated sample imaging system and 3 mm small spot feature to locate areas of interest in a sample, such as a small component or button, then store the image of each sample analyzed along with measurement results; or choose the Helium Purge Light Element Analysis Package for direct analysis of Mg, Al, Si, and P.

Take advantage of the standard Niton Data Transfer (NDT©) PC software suite to customize the instrument, set user permissions, generate custom reports and print certificates of analysis, or to remotely monitor and operate the instrument hands-free. Whether you need an analyzer for metal alloy analysis, RoHS compliance or toy and consumer goods screening, mining or mineral exploration, art conservation, or archaeometric analysis, the Niton XL3t combines the analytical performance of lab-grade instrumentation with the high-speed performance, ease of use, and cutting-edge technology customers have come to expect from their Niton analyzers.

Thermo Scientific Niton XL3t 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.

Niton XL3t Specifications

Weight	< 3.0 lbs (< 1.3 kg)
Dimensions	9.60 x 9.05 x 3.75 in. (244 x 230 x 95.5 mm)
Tube	Au anode 50 kV maximum, 40 uA maximum Ag anode with optional light element analysis package
Detector	High-performance semiconductor
System Electronics	533 MHz ARM 11 CPU 300 MHz dedicated DSP 80 MHz ASICS DSP for signal processing 4096 channel MCA 32 MB internal system memory/ 128 MB internal user storage
Batteries	Two 4 (or optional 6) cell lithium-ion battery packs
Display	Adjustable angle, color, touch-screen display
Standard Analytical Range	>25 elements from S to U
Optional Light Elements	Additional elements Mg, Al, Si, and P via helium purge
Data Storage	Internal >10,000 readings with spectra
Data Transfer	USB, Bluetooth and RS-232 serial communication
Security	Password-protected user security
Mode (Varies by Application)	Alloy Modes: Metal Alloy, Electronics Alloy, Precious Metals Bulk Modes: Mining, Soil Plastic Modes: RoHS Plastics, Toy & Consumer Goods Plastics, TestAll™, Painted Products Other Modes: Lead Paint, Thin Sample 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 RFID reader Shielded belt holster Spare 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	Portable test stand, stationary test stand, tripod stand Extend-a-Pole™ extension pole Welding mask HotFoot™ hot surface adapter Soil testing guard Internal CCD sample imaging system Variable spot size aperture
Licensing/Registration	Varies by region. Contact your local distributor.
Compliance	CE, RoHS

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