

Handheld Niton Spectrometer



Overview

Compact and lightweight, the Niton™ XL2 portable X-ray fluorescence spectrometer allows you to perform basic measurements in an instant and directly in the field or in the workshop. The special combination of 5W X-ray tube and sensitive graphene detector enables highest count rates at best resolution. Low detection limits and. Niton UK Limited is the Exclusive Distributor of NITON XRF Products in the UK and Ireland. It. When low detection limits and high sample throughput are critical, the Niton XL3t GOLDD+ XRF analyzer delivers measurement times up to 10-times faster than conventional Si-PIN detectors and up to 3-times more precise than conventional smaller silicon drift detectors (SDD) - without helium purge or. Niton XL5 Plus Handheld XRF Analyzer is the latest portable XRF spectrometer from Thermo Scientific.



Article Content

Jun 29, 2026

Niton Portable Analyzer Models

Fast, reliable elemental analysis with Niton Thermo Scientific Niton instruments utilize X-ray fluorescence spectroscopy (XRF), laser induced breakdown spectroscopy (LIBS), and Thermo

Mar 30, 2026

Resources for Niton Portable Analyzers | Thermo

Access collateral, webinars, brochures, application notes, videos, infographics, ebooks, and more for Thermo Scientific Niton Handheld Analyzers for material

Mar 05, 2026

Niton X-Ray Fluorescence Spectrometers

Niton X-Ray Fluorescence Spectrometers Niton handheld X-Ray Fluorescence Analysers can easily perform rapid, reliable and accurate ore sample analysis

Jul 21, 2026

Niton UK | Market Leading Portable XRF & LIBS Analysers

Handheld analysers have transformed the way metals and alloys are verified, removing the need for lab access, delays, and complex sample preparation. With portable XRF and LIBS

Mar 22, 2026

XL2 plus Handheld XRF spectrometer

The mobile XRF spectrometer Niton™ XL2 plus identifies different alloys within a fraction of a second. Its non-destructive measurement method is so

Aug 09, 2025

Thermo Scientific Niton XRF Analyzers

More than 30.000 Thermo Scientific Niton XRF analyzers are in use daily in more than 75 countries on six continents A dedicated network of more than 70 distributors and 30 factory-trained service

May 26, 2026

Thermo Fisher Scientific Niton XL5 Handheld XRF Analyzer

When versatility, low limits of detection and high sample throughput are critical, industrial businesses rely on the handheld Thermo Fisher Scientific Niton XL5 XRF analyzer.

Sep 06, 2025

Niton Apollo Handheld LIBS Analyzer: Portable LIBS Spectrometer ...

Discover Thermo Scientific's portable carbon analyzer: Niton Apollo handheld LIBS analyzer. Powered by laser induced breakdown spectroscopy, the Niton Apollo specializes in carbon analysis for metals

Jan 02, 2026

Niton™ XL3t GOLDD+ XRF Analyzer

Niton™ XL3t GOLDD+ XRF Analyzer. Achieve fast, accurate analysis of light elements without helium purging or vacuum pumps with handheld XRF

Feb 21, 2026

Thermos Gold Analyzer: Ein zuverlässiger und präziser Spektrometer

Der Thermos Gold Analyzer ist ein tragbares XRF-Gerät für die präzise und schnelle Bestimmung der Metallzusammensetzung, insbesondere von Gold, in Schmuck, Legierungen und Recyclingmaterialien.

Dec 17, 2025

Niton XL3t GOLDD+ Handheld XRF Analyzer

Whether you need an analyzer for metal alloy testing, mining exploration, environmental applications, or electronics and consumer goods testing, choose the Niton XL3t GOLDD+. Identify high- and low

Mar 28, 2026

Niton XL5 Plus Handheld XRF Analyzer FAQs

Explore FAQs on the handheld, portable XRF elemental analyzer Niton XL5, its capabilities and operational features for metals, material identification and other uses.

Sep 02, 2025

XRF analyzer

Obtain fast, accurate elemental analysis for metal and alloy identification, PMI testing and more with the Niton™ XL2 Plus Handheld XRF Analyzer.

Jul 03, 2026

Niton XL5 Plus Handheld XRF Analyzer

Niton XL5 Plus Handheld XRF Analyzer is the latest portable XRF spectrometer from Thermo Scientific. Small, powerful and ultra-lightweight, it provides accurate elemental analysis in seconds directly in

Mar 25, 2026

NITON XL2 Plus | XRF Europe

Precision and Efficiency in Metal and Alloy Analysis. Niton™ XL2 Plus to a portable XRF spectrometer, that combines advanced chemical composition analysis technology with intuitive operation and a

Apr 09, 2026

Resources for Niton Portable Analyzers

Discover additional insights to the Thermo Scientific Niton instruments and gain a better understanding of how these handheld XRF analyzers and portable XRF analyzers can meet your needs. Niton XRF

Sep 13, 2025

Niton XL2 | Handheld XRF spectrometer for metals & alloys

The lightweight and compact Niton™ XL2 XRF analyzer can be used directly in the field or shop to measure all types of materials without sample preparation. Simply point and pull the trigger to get a

Nov 16, 2025

Mobile XRF spectrometer ⇒ Niton™ XL5 plus analyzer

The Niton™ XL5 plus mobile elemental analyzer is one of the world's smallest, lightest and most powerful handheld X-ray fluorescence spectrometers. The special combination of 5W X-ray tube and

Jul 28, 2025

Niton™ XL5 Plus Handheld XRF Analyzer

Get unprecedented performance in handheld XRF analysis, even for lightweight elements. The Niton XL5 Plus is the lightest, smallest, most powerful handheld XRF analyzer available.

Feb 06, 2026

Niton™ XL2 XRF Analyzer

Niton™ XL2 XRF Analyzer Instantly identify materials on the spot, whatever your analytical requirement, from scrap metal recycling to mining exploration to lead

Feb 25, 2026

Niton Portable Analyzer Models

Review the many models of Thermo Scientific Niton portable XRF and LIBS analyzers for elemental identification and metal verification.

Jun 18, 2026

Niton™ Apollo™ Handheld LIBS Analyzer

Confidently perform elemental analysis with the Thermo Scientific™ Niton™ Apollo™ handheld LIBS analyzer. When carbon detection and mobility are top

Contact Us

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