

Alloy Spectrometer Niton



Summary of Content

The Niton handheld XRF spectrometers, including the XL2 and XL3t models, provide fast, precise, and non-destructive metal and alloy analysis for industrial, mining, and quality control applications.

Overview

Niton spectrometers, produced by Thermo Fisher Scientific under the Niton brand, are portable X-ray fluorescence (XRF) and laser-induced breakdown spectroscopy (LIBS) analyzers designed for rapid elemental analysis of metals and alloys. They are widely used in scrap metal recycling, metal fabrication, mining, geochemical exploration, and precious metal testing. These devices allow real-time identification of alloy composition, including light elements like magnesium, aluminum, silicon, phosphorus, and sulfur, without destroying the sample.

Key Models and Features

- **XL2 Series:** A rugged, cost-effective handheld analyzer suitable for general metal analysis, scrap sorting, and positive material identification (PMI). It can detect over 25 elements from sulfur to uranium and provides fast, on-site results with an integrated database of common alloys. The XL2 is ideal for fieldwork and industrial environments requiring quick, reliable analysis.

Article Content

XL2 plus Handheld XRF spectrometer

The mobile XRF spectrometer Niton™ XL2 plus identifies different alloys within a fraction of a second. Its

Thermo Scientific Niton XRF Analyzers

New Alloy Applications Resulting from SDD (He Purge) Opens up alloy testing and analysis applications that previously required

Niton™ XL2 Rapid, mobile metal analyses

The handheld XRF spectrometer Niton™ XL2 classic analyzes the elemental composition of metals in

Niton XL2 | Handheld XRF spectrometer for metals & alloys

Niton XL2, portable X-ray fluorescence analyzer analyzes the chemical composition of metals and alloys instantly and non-destructively.

Niton Handheld and Portable Analyzers

Handheld and portable analyzers for advanced elemental analysis and metal identification For more than 30 years, Thermo Scientific

Niton™ XL2 XRF Analyzer

Get fast, accurate metal alloy verification for manufacturing quality assurance with the Thermo Scientific™

DXL⇒non-destructive precious metal analyzer

Areas of application Ideal analyzer for gold purchase The Niton™ DXL is the perfect analyser for the purchase of old gold, for coin

XL2 Handheld XRF Analyser | Metal Alloy Verification

Get fast, accurate metal alloy verification for manufacturing quality assurance with the Thermo Scientific™

NITON XL3t | XRF Europe

Niton XL3t Advanced XRF Technology for Industry and Recycling The Niton™ XL3t is a portable XRF

Niton™ XL2 Schnelle, mobile Metallanalysen

Das handgehaltene RFA-Spektrometer Niton™ XL2 classic analysiert die elementare Zusammensetzung

Niton™ XL2 RFA-Analysator

Niton™ XL2 RFA-Analysator Identifizieren Sie Materialien mit RFA-Handanalysatoren unabhängig von der

X-Ray Fluorescence Analyzers | Thermo Fisher Scientific

Instruments, devices, and accessories designed to facilitate accurate elemental analysis via x-ray fluorescence. Products are

Metal Properties, Identification & Sorting

Overview Get immediate, nondestructive elemental analysis of alloy materials from titanium to nickel with

Niton™ XL5 Plus Handheld XRF Analyzer

Confidently perform elemental analysis with the Thermo Scientific™ Niton™ XL5 Plus handheld XRF analyzer; it delivers

Gold Analyzer XL2 100 Discovers gold content

The Niton™ XL2 100 is the mobile XRF precious metal analyzer for scrap gold purchase, coin trading, jewelers, pawn and loan

Metal Properties, Identification & Sorting

Whether you need an analyzer for metal alloy testing, mining exploration, environmental applications, or

Metal Properties, Identification & Sorting

Overview Confidently perform elemental analysis with the Niton XL2 Plus Handheld XRF analyzer. When

Niton XL5 Plus

Niton™ XL5 Plus – Lightweight and Performance in One Device Niton™ XL5 Plus is a portable XRF

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,

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,

Niton™ Apollo™ Handheld LIBS Analyzer

Confidently perform elemental analysis with the Thermo Scientific™ Niton™ Apollo™ handheld LIBS analyzer. When carbon

Niton™ XL3t GOLDD+ XRF Analyzer

Industries from mining and exploration to scrap metal recycling depend on fast, accurate elemental

Metal Properties, Identification & Sorting

Overview When low detection limits and high sample throughput are critical, the Niton XL3t GOLDD+ XRF

NITON XL2 100 | XRF Europe

Niton XL2 100 Versatile Metal Analysis with Precision and Reliability The Niton™ XL2 100 is a portable

Niton Portable Analyzer Models

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

Metal Properties, Identification & Sorting

The XL2 100G analyzer is a practical, cost-effective solution that offers fast analysis for general alloy

Niton™ Apollo™ | XRF Europe

High-Precision Handheld LIBS for Carbon and Metal Alloy Analysis. Niton™ Apollo™ is an innovative

Niton XL2 | Handheld XRF spectrometer for metals

Thanks to its advanced technology, the Niton™ XL2 analyzer is able to know the exact chemical

NITON XL2 Plus | XRF Europe

Precision and Efficiency in Metal and Alloy Analysis Niton™ XL2 Plus to a portable XRF spectrometer, that

Contact Us

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