

Portable Trace Element Spectrometer



Overview

Fast and on-site: Elemental analysis of rock, sediment and soil. Element range starting from Na, detection limits for relevant trace elements significantly lower compared to other portable and handheld XRF instruments. At the production line: High productivity with application specific packages. Wide range of matrix matched calibrations can measure up to 48 elements. Custom & standard primary beam filters. While the TRACER 5 has the ability to completely control the current and voltage, it also adds many new features. TX3300 Total Reflection X-ray Fluorescence Spectrometer is a portable spectrometer specifically designed and developed by lanscientific for trace element analysis after years of XRF technology accumulation. With dimensions of 245mm * 250mm * 90mm and weighing just 1.5 kg, it's equipped with a high-sensitivity Si-pin/SDD probe, targeting materials like Ag, W, and Ta with. Das STE-PORTA-LIBS-2000 ist ein portables, kostengünstiges System für die laserinduzierte Plasmaspektroskopie (LIPS), welche eine schnelle, berührungslose Methode zur Analyse von festen, flüssigen und gasförmigen Stoffen ist. Need more info?

Contact our expert. This advanced spectrometer achieves high-sensitivity detection even in extremely low-noise environments, delivering fast, precise quantitative and.

Article Content

XRF Analyzers | XRF Spectrometers | Malvern Panalytical

Malvern Panalytical offers a versatile range of X-ray fluorescence spectrometers and related products for elemental and thin film analysis. These

TXRF Spectrometers_LANScientific

The TX3800 portable total reflection X-ray fluorescence spectrometer is designed for precise detection. It can achieve high-sensitivity

Handheld XRF Spectrometers for Elemental Analysis

Bruker's portable XRF solutions offer multi-element analysis with off-the-shelf or customized methods to provide actionable results at any stage of the food

Portable low cost analyzer LIBS

The STE-PORTA-LIBS-2000 is the first truly portable low cost analyzer that can be used for real-time qualitative measurements of trace elements. It can be used for

Portable XRF Metal Analyzer

About this item ☐☐ Portable Precision Metal Analysis: Compact yet powerful, Handheld XRF Analyzer delivers accurate metal analysis anytime, anywhere. With

Handheld XRF Spectrometers for Elemental Analysis

Handheld/Mobile/Portable XRF Spectrometers Handheld / portable X-ray fluorescent (XRF) analyzers have the capability to non-destructively quantify or qualify nearly

The use of a portable total reflection X-ray fluorescence spectrometer ...

The suitability of a newly developed, portable total reflection X-ray fluorescence (TXRF) spectrometer (PicoTAX, Roentec, Berlin, Germany) to analyze trace elements in biological material

S2 PICOFOX | Benchtop TXRF Analyzer

The S2 PICOFOX is a transportable TXRF spectrometer for ultra-trace element analysis. Due to its complete independence of any gas or cooling medium, the analyzer can be used not only in the

Bruker Tracer 5g Portable X-Ray Fluorescence Spectrometer (pXRF)

The Bruker Tracer 5g portable X-ray fluorescence (XRF) elemental analyzer incorporates a Silicon Drift Detector (SDD) with a graphene entrance window. The graphene window has high transmission of X

Bruker TRACER 5i Handheld XRF Analyzer

The Bruker TRACER 5i XRF is a handheld, portable spectrometer ideal for elemental analysis in the field and in laboratory-like settings. Specifically designed for

AURA® handheld NIR | Versatile & portable spectrometer

AURA® handheld NIR is a portable spectrometer system, which enables measurements to be taken directly on site, suitable for a variety of applications.

Bruker Nano GmbH

The S2 PICOFOX is the world's first portable benchtop spectrometer for fast quantitative and semi-quantitative multi-element microanalysis of liquids, suspensions, solids and contaminations using the

Portable handheld spectrometers

Our portable handheld spectrometer instruments Handheld and portable spectrometers have the ability to quantify or qualify nearly any element without

TRACER 5 pXRF spectrometer | Bruker

Non-invasive major, minor and trace elemental analysis in an ultra-portable package allows much to be learned about a wide range of culturally important objects,

(PDF) Rapid screening of heavy metals and trace

Rapid screening of heavy metals and trace elements in environmental samples using portable X-ray fluorescence spectrometer, A comparative study

TRACER 5 pXRF spectrometer | Bruker

TRACER 5 is the high value in-situ pXRF performer synchronizing power, function, precision and accuracy for dynamic, field capable laboratory-like elemental analysis.

SPECTROSCOUT

SPECTROSCOUT - The portable, energy-dispersive X-ray fluorescence (ED-XRF) spectrometers that bring lab-grade analysis into the field or onto the production floor

Determination of trace element concentrations in organic

Determination of trace element concentrations in organic materials of "intermediate-thickness" via portable X-ray fluorescence spectrometry Shubin

Portable Mineral Testers for Mining and Exploration

In mineral exploration and mining, fast access to reliable geochemical data helps guide decisions in the field. X-Ray Fluorescence (XRF)-based portable mineral

S2 PICOFOX

The S2 PICOFOX is a transportable TXRF spectrometer for ultra-trace element analysis. Due to its complete independence of any gas or cooling medium, the

Determination of trace element concentrations in organic

This research explored the feasibility of using portable X-ray fluorescence (pXRF) spectrometry to quantify Fe, Cu, Zn, and As concentrations

portable spectrometer | Belec

For maximum flexibility and precision, Belec offers a comprehensive range of accessories for the portable spectrometer Belec Compact Port HLC and our

Total Reflection X-ray Fluorescence (TXRF)

TXRF Total Reflection X-ray Fluorescence Spectrometer - TTX3000S is a highly portable device specifically crafted for elemental and trace analysis.

Accuracies and detection limits of major, minor, and trace element ...

Accuracies and detection limits of major, minor, and trace element quantification in rocks by portable laser-induced breakdown spectroscopy

TXRF Spectrometers_LANScientific

TX3300 Total Reflection X-ray Fluorescence Spectrometer is a portable spectrometer specifically designed and developed by lanscientific for trace

Portable Spectrometer / Handheld Spectrometer

Portable spectrometers / handheld spectrometers allow researchers to analyze samples on the go. Perfect for applications like field analysis of samples, identifying raw materials, and forensic analysis,

Portable X-Ray Fluorescence Spectrometry: Principles and

advantage for Portable X-ray Fluorescence (p RF) spectrometers have the bench analysis top to spectrometers. in be field relatively with small comparable Another and advantage light performance

The use of a portable total reflection X-ray fluorescence spectrometer ...

A newly developed, portable total reflection X-ray fluorescence (TXRF) spectrometer was tested during a field campaign on Chilean lakes and a German river in January 2002. The field

Contact Us

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