



SPECTROSCOUT

PORTABLE ED-XRF ANALYZER



The lab that goes anywhere

Analysis of environmental samples anywhere

SPECTROSCOUT

Service companies, government agencies, universities, corporations, and testing labs perform environmental screening of soil, sediment, waste, and waste oil in everything from development areas and landfills to military installations. Often they must test the material for heavy metals and other toxic elements.

A primary concern is the need to deliver analytical results on site. Sending samples back to the laboratory adds significant time delays to most projects. In fact, it may render some tasks impractical or impossible. Real-time analytical results are essential for assessing progress and for making data-based changes to clearing or remediation.

Accuracy is also a necessity. Users require dependable accuracy at all detection levels, from trace elements to high-percentage concentrations. The range of elements of interest can span from Na-U

Now there's a proven solution that can provide laboratory-class, reliable, rapid results on site. The new SPECTROSCOUT analyzer is the lab that goes anywhere.



SPECTROSCOUT PORTABLE ENERGY DISPERSIVE X-RAY FLUORESCENCE (ED-XRF) ANALYZER

The new SPECTROSCOUT analyzer incorporates much of the analytical power of top-grade laboratory benchtop analyzers like the SPECTRO XEPOS, while approaching the easy portability of a SPECTRO xSORT handheld instrument. Thus SPECTROSCOUT is to deliver fast, dependable, truly lab-quality results in the field - all at surprisingly low cost.



EXCEPTIONAL PERFORMANCE

For all relevant elements in the range of Na-U SPECTROSCOUT provides exceptional performance at wide concentration levels. It also offers rapid (typically 3 to 10 minutes) turnaround. Bringing unprecedented precision and speed to the field makes SPECTROSCOUT ideal for onsite applications.

EXCELLENT EASE OF USE

Simplified software supplies an effortless touchscreen interface. Predefined application packages are designed to fit the task at hand. Unique iCAL calibration takes just 1 sample and only 5 minutes for standardization. Light weight (12 kg/26.46 lb) and small size (270 x 306 x 306 mm/10.7 x 12.1 x 12.1 in) provide convenient portability.

COMPETITIVE COST

The SPECTROSCOUT analyzer's purchase price is highly competitive with other instruments in its class. In many cases, it is also half the price of larger laboratory instruments. Furthermore, with direct improvements in onsite elemental analysis due to rapid availability of accurate information, SPECTROSCOUT delivers better ongoing financial returns.

SPECTROSCOUT laboratory quality with fast field results

For environmental applications, SPECTROSCOUT brings lab-class advantages such as SPECTRO's advanced TURBOQUANT unknown-sample analysis and optional customer-specific calibrations.

Most importantly, it provides good spectral resolution and low limits of detection across a range of relevant elements - from heavy elements such as uranium to light elements such as sodium.



FAMILIAR INTERFACE

Like the popular SPECTRO XEPOS analyzer, SPECTROSCOUT is operated by a powerful user interface with full access to all analysis results and measured spectra.



MOBILE ANALYSIS

SPECTROSCOUT is a portable lab. You can run the instrument with a 12 V DC power source and charge the internal batteries.



COMPACT DESIGN

Made for practical portability, the instrument contains a myriad of features in one small space: large sample compartment, high-power X-ray tube, onboard processor, and high-yield battery pack. For transport it gets even smaller for better mobility.

ACCURACY

SPECTROSCOUT provides highly precise measurements from trace to minor to major concentrations of relevant elements. That kind of accuracy - exceptional for any portable elemental analyzer - enables it to reach remarkable performance levels.

AMECARE
PERFORMANCE SERVICES

GLOBAL SUPPORT

Environmental testing onsite demands the instruments being ready for challenging field use whenever needed. To ensure that SPECTROSCOUT analyzers are always up to the task, SPECTRO provides the AMECARE Performance Services program.

More than 100 AMECARE service engineers in 20 countries help ensure optimum performance and extended life for every SPECTROSCOUT instrument. AMECARE's high-value, customized services include proactive maintenance programs; application solutions; access to relevant experts; and instrument-specific training.



SPECTROSCOUT Technical Specifications



Detector	Silicon drift detector (SDD)
Excitation	X-ray tube, rhodium (Rh) anode, 50 kV max.
Dimensions	
Height	Transport position: 270 mm (10.7 in) Operation position: 350 mm (13.8 in)
Width	306 mm (12.1 in)
Depth	306 mm (12.1 in)
Weight	12 kg (26.46 lbs) excluding battery pack 12,75 kg (28.11 lbs) including battery pack
Power Supply	Operating voltage 10-30 V DC Integrated 4+ hours Li-ion battery pack Power Adapter 90-264 V AC / 50-60 Hz
Hardware	Integrated PC with touchscreen Bluetooth, wireless LAN, USB interfaces, LAN
Software	SPECTRO XRF Analyzer Pro iCAL (Intelligent Calibration Logic)
Accessories (included)	Charger, AC adapter (battery included in the instrument) Consumables
Options	Global positioning system (GPS) adapter Printer Helium (He) flush and sample spinner Vacuum and sample spinner Video camera Notebook, Windows 7 12 V car charging cable

FULL FAMILY OF ANALYZERS

SPECTRO provides the world's most comprehensive suite of advanced elemental analyzers. Devices particularly suited for environmental screening applications include the high-end XEPOS benchtop X-ray fluorescence analytical instrument, the portable yet powerful SPECTROSCOUT ED-XRF analyzer, and the SPECTRO xSORT handheld XRF spectrometer.

Whatever the product, SPECTRO's more than 30 years of experience in elemental analysis and unparalleled record of technological innovation ensure the best results in the business.

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SPECTRO operates worldwide and is present in more than 50 countries. For SPECTRO near you please visit www.spectro.com/worldwide.

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