

SPECTRO xSORTxhho3 HANDHELD EDXRF SPECTROMETER



Advanced environmental screening on-site in seconds



Get the fastest environmental analysis in the field with

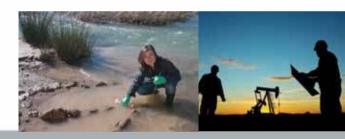
SPECTRO xSORT

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, cement plants, and even picnic tables. Often they must test the material for heavy metals and other toxic elements for appropriate clearing or remediation.

However, surveying a large site can require hundreds of separate measurements — especially when you must also detect small, high-concentration hot spots.

The need for speed is paramount.

Enter the new SPECTRO xSORT.





HIGH SPEED

For many environmental analysis tasks, SPECTRO xSORT displays results twice as fast as competitive instruments! Get accurate preliminary measurements in as little as a few seconds. Screening even a large site or sizable pile of waste material takes hours, not days.

THIS HANDHELD ENERGY DISPERSIVE X-RAY FLUORESCENCE (EDXRF) SPECTROMETER provides extremely rapid, direct elemental testing and spectrochemical analysis of environmental samples with widely varying matrices, without complicated sample preparation. Achieving very low detection limits in the shortest possible time, SPECTRO xSORT furnishes laboratory-quality results, on-site, in seconds.



A few-second spot check offers an immediate read. Hold on the sample longer for even more accurate parts-per-million analyses of arsenic, cadmium, chromium, copper, lead, mercury, or your contaminant of choice. SPECTRO xSORT is the ideal environmental analysis tool for qualitative or simple quantitative screening.

CLICK, READ, MOVE ON

Efficiency and simplicity pervade every aspect of the product's fit and function. Operators won't have to mess with methods or bother with flushes or vacuum systems. This instrument's compact, ergonomic, one-piece 1.64 kg (3.62 lb) design is optimized for easy, fatigue-free use in the field. And SPECTRO xSORT supplies one of the most intuitive software in its class.

SPECTRO xSORT advantages for environmental screening



SPECTRO xSORT SERVICE AND SUPPORT

Organizations engaged in high-volume environmental screening must keep multiple instruments operating at the highest possible levels of availability. To ensure that SPECTRO xSORT spectrometers meet and exceed these goals, SPECTRO offers the AMECARE Performance Services program.

More than 100 AMECARE service engineers based in 20 countries help to ensure peak performance and extended useful equipment life via high-value, customized services. These can include proactive maintenance programs; application solutions; access to relevant experts; and training.











Detector	High resolution silicon drift detector (SDD)				
Excitation	X-ray tube, Rh anode, 50 kV max.				
Dimensions and weight (including battery pack)	Height: 270 mm (10.7") Width: 93 mm (3.7") Depth: 230 mm (9.1") Weight: 1.64 kg (3.62 lb)				
Spectrometer control	Integrated PC with Touch Screen, Windows Mobile 6.0, Interfaces: Bluetooth, Wireless LAN USB Host/Client				
Software	SPECTRO XRF Analyzer CE ICAL (Intelligent Calibration Logic) Analysis mode with grade ID/grade verification option, Sorting mode (Fast pass/fail assessment) Result manager for post-processing of testing results				
Accessories (Included)	Transport case Instrument/battery Holster 2 nd battery pack Charger USB-Cable Consumables (films)				
Accessories (Not included)	Docking station Small parts/wire adapter Printer Barcode reader				
Options	Video camera				

	applications

	Hand- held XRF	XRF	ICP- OES	ICP- MS
Fast screening of soil and sewage sludge				
Elemental analysis of contaminants in soil				
Elemental analysis of dust and fly ash				
Elemental analysis of water / waste water				
Elemental analysis of drinking water				
Elemental analysis of eluates				
Elemental analysis extractables				
Ambient air monitoring				
Fast elemental screening of alternative fuel				

comprehensive analytical line Unlike other handheld instruments, the SPECTRO xSORT spectrometer takes its place among today's most complete suite of advanced elemental analyzers.

Example: our flagship SPECTRO XEPOS XRF spectrometer offers even better accuracy at identifying and measuring elements and their concentrations in unknown environmental samples. In fact, SPECTRO XEPOS achieves detection limits up to 10 times lower than other XRF spectrometers. Also, our new SPECTROBLUE ICP-OES provides detection below the parts-per-billion level when analyzing liquid or solid samples after digestion or eluation, with comprehensive, compliant factory-prepared methods for many common environmental analyses.

Whatever the choice is, SPECTRO's more than 30 years of experience in elemental analysis and record of technological innovation ensures the best results in the business.

www.spectro.com

Internal GPS receiver

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