SPECTRO AMETEK

SPECTRO**SCOUT**

PORTABLE ED-XRF ANALYZERS






Lab-quality elemental analysis for field, offsite, and at-line testing

The portable spectrometers that bring lab-grade analysis into the field or onto the production floor

SPECTROSCOUT

SPECTROSCOUT energy dispersive X-ray fluoresence (ED-XRF) analyzers deliver much of the analytical power of top-grade laboratory benchtop spectrometers. They provide fast, dependable, truly lab-quality results in the field or on the production floor — all at a surprisingly low cost. These instruments offer exceptional performance, at wide concentration levels, for all of the relevant elements in the range from sodium to uranium.

SPECTROSCOUT impresses with unprecedented precision and speed, making it the ideal portable XRF for onsite applications where results matter.

Available in two models, SPECTROSCOUT is adept at a wide range of elemental testing requirements — including precious metals, jewelry, food, feedstocks, environmental, geochemicals, metal coatings, chemicals, cosmetics, and many more.



Portable ED-XRF spectrometer for field or offsite testing



For field or offsite testing, SPECTROSCOUT brings lab-class advantages such as SPECTRO's advanced screening package for the analysis of completely unknown samples, plus optional customer-specific calibrations. Most importantly, it provides excellent spectral resolution and low limits of detection across the range of relevant elements — from heavy elements such as uranium to light elements such as sodium. Its exceptional performance and easy operation make it ideal for applications such as environmental screening or geochemical exploration.







Portable ED-XRF spectrometer for laboratory and at-line testing



SPECTROSCOUT provides outstanding accuracy at concentration levels from ppm to percentages. For at-line applications, it is typically calibrated with matrix matching standards, and can be used to analyze all relevant elements in the range from sodium to uranium. When it's analyzing high concentrations of several elements, its superior sensitivity lets it produce reliable results very quickly. And it offers good light-element performance for powder or solid samples, with no need for heavy, costly helium flushing tanks. In fact, SPECTROSCOUT is ideal for producers of processed or manufactured goods including chemicals, oil, metal surface coatings, pharmaceuticals, cosmetics, food, feedstocks, and more.

SPECTROSCOUT

Built to deliver lab-quality results in a portable package

Optional global positioning system (GPS) adapter



Optional integrated video system to allow precise spot testing, plus image storage

Predefined application packages designed to fit the task at hand

Large sample compartment

Silicon drift detector (SDD) available for precious metal version Si-PIN



Element range from sodium to uranium (for precious metal version, application-specific)

Helium purge or vacuum to access light elements such as sodium and magnesium

Unique iCAL calibration — takes just one sample and only five minutes for standardization

Simplified software with intuitive touchscreen interface

High-yield battery pack (standard for offsite, optional for at-line)





The lab that goes anywhere

For a broad range of applications, SPECTROSCOUT offers outstanding performance — close to the analytical power of top-grade laboratory analyzers.

Its light weight and small size make SPECTROSCOUT the ideal portable solution for elemental analysis in the field or on the production floor.

SERVICE AND SUPPORT

So that SPECTROSCOUT instruments continue to meet and exceed customer availability goals, SPECTRO offers AMECARE Performance Services. The program is staffed by more than 200 experienced service engineers in 50 countries. They provide high-value, customized services designed to ensure optimum performance plus the longest possible equipment life. Ask about AMECARE proactive performance maintenance, performance upgrades, applications solutions, consultation, targeted training, and ongoing support.

AMECARE® PERFORMANCE SERVICES

AMETEK®

SPECTROSCOUT FAMILY SPECIFICATIONS



Detector	**Silicon drift detector (SDD) or Si-PIN (application-specific)**
Excitation	**X-ray tube, anode material, and power are selected based on the application**
Dimensions	**Height:** Transport position: 270 mm (10.7 in), not applicable for at-line version Operation position: 350 mm (13.8 in) / at-line model: 350 mm (13.8 in) **Width:** 306 mm (12.1 in) **Depth:** 306 mm (12.1 in) **Weight:** 11 to 12 kg (24.4 to 26.7 lb) excluding battery pack 11.75 to 12.75 kg (25.1 to 28.1 lb) including battery pack (application-specific)
Power Supply	Operating voltage 10-30 V DC Integrated 4+ hour Li-ion battery pack; optional for at-line version Power adapter 90-264 V AC / 50-60 Hz
Computer	Integrated PC with touchscreen Bluetooth, wireless LAN, USB interfaces Optional notebook to handle complex applications and customer-specific calibrations
Software	SPECTRO XRF Analyzer Pro or mobile (application-specific) to be used on external computer iCAL (Intelligent Calibration Logic) Data Manager
Accessories (included)	USB cable, LAN cable Consumables Charger, AC adapter
Options	Global positioning system (GPS) adapter Printer Helium (He) flush and sample spinner Vacuum and sample spinner Battery pack 12 V car charging cable Transport case Video camera Notebook, Windows 7
IP Code	SPECTROSCOUT laboratory and at-line testing: IP 31 SPECTROSCOUT field or offsite testing: IP 44

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