

# SPECTROSCOUT

PORTABLE ED-XRF ANALYZER



The assay lab that goes anywhere

Fast, accurate analysis of precious metals on the spot

## SPECTROSCOUT

Jewelers, recyclers, and refiners of precious metals and alloys require elemental analytical capabilities that fit their challenging business conditions.

Affordability is always key. Small operators have comparatively little cash for equipment. Larger concerns face constant pressure to keep costs low and profits high.

However, affordability must still buy good performance. Percentages of gold, silver, and other precious metal alloys must be determined quickly and accurately, so that advantageous deals can be struck.

Finally, analytical equipment must suit the site. It should be small enough for portability and for crowded workspaces, and easy to use by jewelry shop and recycling personnel with wide variations in education and training.

Now there is a proven, onsite solution providing laboratory-class results that are affordable, fast, and easy. The new SPECTROSCOUT analyzer is the assay lab that goes anywhere.



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

SPECTROSCOUT incorporates much of the elemental analytical power of advanced benchtop laboratory XRF analyzers like the SPECTRO MIDEX, while approaching the easy portability of a SPECTRO xSORT handheld instrument. Thus SPECTROSCOUT is the instrument to deliver fast, dependable, truly lab-quality results on the spot - all at surprisingly low cost.



#### EXCEPTIONAL PERFORMANCE

SPECTROSCOUT provides precision and accuracy at a wide range of concentration levels, typically present in precious metals alloys. It also offers rapid (30-300 second) readout. Its performance makes SPECTROSCOUT a superb choice for small shops or portable use, or an ideal backup system for larger operations.

#### EXCELLENT EASE OF USE

Simplified software supplies a touchscreen interface and predefined application packages. Unique iCAL calibration takes just 1 sample and only 5 minutes for standardization. Light weight (11 kg/24.25 lb) and small size (270 x 306 x 306 mm/10.7 x 12.1 x 12.1 in) provide a compact footprint and easy portability. An integrated video system helps to offer 1 mm spot testing for precise evaluation of mixed alloys.

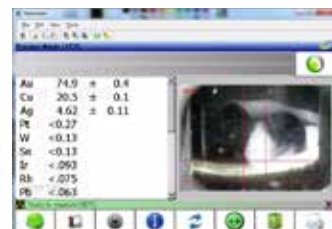
#### COMPETITIVE COST

The SPECTROSCOUT analyzer's purchase price is highly competitive with other instruments in its class. Most of all, its fast, accurate results enable jewelry assayers and recyclers to make precise assessments in minimal time - helping them maximize ongoing profitability.

# SPECTROSCOUT

the advantage of science

To portable precious metals analysis, SPECTROSCOUT brings lab-class advantages such as TQ screening methods and optional customer-specific calibrations. Perhaps most importantly, it carries the acknowledged validity of science itself. For example, the instrument's reliably accurate readouts can boost confidence for less expert users - and reassure customers who might be uneasy with valuations based on traditionally subjective touchstone assays. First results are displayed after a few seconds. In many cases these give already sufficient accurate information about the sample. For an even more precise analysis the measurement is continued until the preset time is elapsed. To achieve a high degree of safety each sample is tested for 21 elements simultaneously.



## FAMILIAR INTERFACE

Like the popular SPECTRO xSORT handheld analyzer, SPECTROSCOUT is operated by a touchscreen interface with simple displays and only two menu levels. Intuitive design increases user ease and productivity.



## COMPACT DESIGN

Configured to carry, the unit fits myriad features into one small space: large sample compartment, high-power X-ray tube, and onboard processor, plus high-yield battery pack. Its footprint is ideal for crowded counters, benchtops, and other areas where space is tight.



## GLOBAL SUPPORT

Jewelry assayers and recycling operations depend on the ready availability of accurate analytical answers to meet their goals for productivity — and profitability. To ensure that SPECTROSCOUT analyzers keep up the pace, SPECTRO offers the AMECARE Performance Services program.

This effort dedicates more than 100 AMECARE service engineers in 20 countries to help ensure peak performance and extended useful 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

<b>Detector</b>	Si-PIN
<b>Excitation</b>	X-ray tube, rhodium (Rh) anode, 50 kV max.
<b>Dimensions</b>	
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	11 kg (24.251 lb) excluding battery pack 11.75 kg (25.904 lb) including battery pack
<b>Power Supply</b>	
	Operating voltage 10-30 V DC Integrated 4+ hours Li-ion battery pack Power Adapter 90-264 V AC / 50-60 Hz
<b>Hardware</b>	
	Integrated PC with touchscreen Bluetooth, wireless LAN, USB interfaces, LAN Video camera
<b>Software</b>	
	XRF Analyzer Pro iCAL (Intelligent Calibration Logic)
<b>Accessories (included)</b>	
	Charger, AC adapter (battery included in the instrument) Consumables
<b>Options</b>	
	Printer Notebook, Windows 7 12 V DC car charging cable

## FULL FAMILY OF ANALYZERS

SPECTRO provides the world's most comprehensive suite of advanced elemental analyzers. Devices particularly suited for jewelry and recycling applications include the versatile SPECTRO MIDEX benchtop micro X-ray fluorescence spectrometer, 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.

[www.spectro.com](http://www.spectro.com)

**AMETEK®**  
MATERIALS ANALYSIS DIVISION

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