

SPECTRO **xSORT** XHH04

Handheld ED-XRF Spectrometer



Advanced On-Site Analysis of Rocks,
Ores, Concentrates, and Tailings

Get fast elemental analysis in the field with SPECTRO xSORT

Mining and geochemical operations present numerous challenges for analytical instrumentation.

Multi-element. Users need to determine the composition of ores, concentrates, and tailings containing a range of elements — an extremely wide range: potentially more than half of the periodic table.

Multi-range, from trace element content to weight percentages. Analytical tools must also often provide users with accurate measurements of a wide range of concentrations of these elements, across numerous sample types. Multiple analyses must be performed, from feed material evaluation to ongoing process control monitoring.

Minimum time to results. Complex materials and deposits make it difficult to ensure consistent feed quality to a processing plant, even with improved material blending capabilities. Process control needs to be able to respond more quickly and proactively to any change. Efficient processes are more complex and require more accurate dosing of reagents to reduce costs and minimize waste. Turnaround time (TAT) is of the essence.

Challenging sites. Mines may be situated anywhere, from the far north of Alaska to the high altitudes of Chile's Atacama Desert. Remote locations often present logistical and engineering challenges. Unlike commercial hub labs in centralized, accessible places, which can easily receive samples from anywhere on their continent, mine sites are often difficult to access. Supply capabilities may be limited by factors such as air-only transport or seasonal access. Enter the SPECTRO xSORT.



THE SPECTRO xSORT HANDHELD X-RAY FLUORESCENCE (XRF) SPECTROMETER

furnishes high-throughput, highly reliable elemental screening of countless geological and mining sample types in widely varying conditions.

FAST

For many analysis tasks of geological and mining samples, SPECTRO xSORT displays results in less than a minute! Screening even a large site or sizable pile of material takes hours, not days.



EASY

Reduced in size compared to previous models and well balanced, SPECTRO xSORT is optimized for day-long, fatigue-less, one-handed operation. The ergonomic design includes a light-squeeze trigger; a 5" big, easy-reading, wide-angle, high-definition display; extra physical buttons ideal for gloved hands. Results: effortless operation with all-day comfort.

The instrument is provided with a small and portable stand. In addition, a larger docking station is offered as an option. Both support a faster turnaround-time as during the time one sample is tested, the next one can already be taken and prepared for analysis.

Setting up the sample stand is easy as setting up a deck chair. Mounting the instrument into the docking station and connecting it to an external computer is easier and faster than ever before.

SPECTRO xSORT advantages everywhere you go

Optional overview camera — capture images or barcodes / QR codes

Optional GPS for location & documentation

Optional target video camera — test spot images

SPECTRO xSORT grab one and go

SPECTRO xSORT

SPECTRO xSORT provides reliable, high-productivity measurement and analysis. Get results on-site, increase sampling frequency, reduce overall turn-around times, and reduce overall cost by sending less samples to the lab for analysis.

Excellent Support

AMECARE Performance Services maximize uptime for products and services from SPECTRO Analytical and associated companies. The program is staffed by hundreds of experienced service engineers in 50 countries. They provide high-value, customized support for optimum performance plus the longest possible equipment life. Ask about proactive performance maintenance, performance upgrades, applications solutions, consultation, targeted training, and ongoing support.



Complete Line

The innovative handheld solution SPECTRO xSORT joins SPECTRO's portable SPECTROSCOUT and benchtop ED-XRF flagship SPECTRO XEPOS in the fields of geological and mining applications. As the operation software XRF Analyzer Pro uses the same structure in all the XRF instruments from SPECTRO, operators benefit from a fast learning curve when using an additional analyzer from this product family.

Whatever the product, SPECTRO's 40-plus years of experience in elemental analysis — along with its unparalleled technical innovation and excellence — ensure the best results in the business.



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