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Oxford Instruments launches X-MET8000 Expert Geo - a new high-performance handheld XRF analyser for geochemical analysis throughout the mining process

Oxford Instruments has added the **X-MET8000 Expert Geo** to its successful range of **X-MET8000** handheld XRF (X-ray fluorescence) analysers for geochemical analysis throughout the mining process, from the early stages of exploration to process waste analyses. **X-MET8000 Expert Geo** offers fast material screening, dramatically reducing the need for laboratory analyses and their associated cost. Easy to use and designed to withstand the harshest environments and weather conditions, the **X-MET8000 Expert Geo** offers results in seconds with real time data sharing for fast decision making. **X-MET8000 Expert Geo** can measure up to 40 elements, with additional elements available on request, and enables the quantification of rare earth elements on a wide range of samples including: rocks, cores, cuttings and powders.

Superior performance for high throughput testing

The **X-MET8000**'s speed allows high volumes of analyses and the fast completion of testing programmes, saving time and money. The combination of the large area silicon-drift detector (SDD) and revolutionary superfast detector electronics BOOST™ technology provides up to 10 times the sensitivity of other handheld XRF models, delivering the low limits of detection required to measure pathfinders or penalty elements and repeatable results day after day.

Advanced data management in the palm of your hand

Data management is versatile: up to 100,000 results can be stored on the analyser, downloaded to a USB memory stick or PC in a CSV format or tamper-proof PDF. Results can be printed on-site and attached to sample bags to avoid mix ups. Alternatively, fully customised reports can be created using the report generator. Sharing results on-the-go with customers or colleagues is easy with the **OiConnect** app, while the **OiConnect** cloud service can export results securely in real-time and be accessed anytime, anywhere. Results from multiple **X-METs** can be managed with a single **OiConnect** account.

Christelle Petiot, Product Manager, Oxford Instruments, said "The X-MET8000 Expert Geo will save users time and money in more ways than one: it's rugged and reliable so won't let you down in the field; its revolutionary BOOST™ technology delivers faster analysis, even for trace elements, to help you complete testing programs faster and rely less on laboratory analyses; it truly is the tool of choice for mining professionals."

Rugged for low cost of ownership

Designed with low cost of ownership in mind, **X-MET8000 Expert Geo** has been designed to withstand the harshest environments and weather conditions. It is IP54 compliant (equivalent to NEMA 3) for superior protection against dust and water and has been tested to MIL-STD-810G military standard for ruggedness. It has an impact-resistant case with environmental sealing. Rubber bumpers around the screen, nose and battery protect against shocks.

X-MET8000 Expert Geo features a large heat sink for optimum robustness and stability even in hot environments (no need to wait for detector cooldown between analyses) and comes with a compact, rugged and waterproof case for transportation and storage.

X-MET8000 Expert Geo is available to order from 18th May 2017.

- Ends -

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For more information: www.oxford-instruments.com/geo

For images: see attached

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About Oxford Instruments

Oxford Instruments designs, supplies and supports high-technology tools and systems with a focus on research and industrial applications. It provides solutions needed to advance fundamental physics research and its transfer into commercial nanotechnology applications. Innovation has been the driving force behind Oxford Instruments' growth and success for over 50 years, and its strategy is to effect the successful commercialisation of these ideas by bringing them to market in a timely and customer-focused fashion.

The first technology business to be spun out from Oxford University over fifty years ago, Oxford Instruments is now a global company with over 1900 staff worldwide and is listed on the London Stock Exchange (OXIG). Its objective is to be the leading provider of new generation tools and systems for the research and industrial sectors.

This involves the combination of core technologies in areas such as low temperature, high magnetic field and ultra-high vacuum environments, Nuclear and Electron Magnetic Resonance, X-ray, electron and optical based metrology, and advanced growth, deposition and etching.

Oxford Instruments aims to pursue responsible development and deeper understanding of our world through science and technology. Its products, expertise, and ideas address global issues such as energy, environment, security and health.