

X-MET7000 Series

The essential tool for mining and exploration professionals

Now with
NEW large
area SDD

NEW detector, LOWER detection limits, NEW software



X-MET for instant on-site analysis

- Ore exploration and mine mapping
- On-site excavation control
- Grade control
- Process monitoring: concentrates, tailings etc.
- Environmental control

The top performer just got better!

X-ray fluorescence (XRF) analysis is a proven and valued method for rapidly determining the presence of key minerals at mining sites worldwide. Its speed, flexibility and ease of use make it the tool of choice for today's mining professionals and mineral geologists.

The **X-MET7000 Series** handheld analyser provides rugged on-site analysis in the world's most challenging environments.

With the new **X-MET7000 Series** you can achieve laboratory grade analysis from raw materials to refined products, and just about everything in between in a matter of seconds.

Rapid / Rugged / Reliable



The Business of Science®

'Point and shoot' analysis with laboratory grade results



Minimise the need for expensive and time consuming laboratory analysis

- Field analysis results are available in seconds. Anywhere, anytime
- Direct measurement of drill cores, cuttings, rocks, powders...
- Screening analysis with minimal sample preparation
- Highly accurate analysis of over 30 elements from K to U with the **X-MET7000 eXpress** and over 35 elements from Mg to U with the **X-MET7500 Mining Analyser**
- Trace element analysis down to ppm level
- Unbeatable performance and flexibility with Fundamental Parameters and/or Empirical calibration
- Easy to use type standard correction to compensate for matrix effects
- Real time averaging for improved confidence in results
- Light, rugged and waterproof case for transportation and storage

Built to last

Rugged design that withstands the harshest environments and weather conditions:

- Impact-resistant plastic housing with environmental sealing
- IP54 compliant (equivalent to NEMA 3) for superior protection against dust and water
- Fitted with rubber bumpers around the screen, sides of the analyser nose, and battery, to provide protection against shocks and to prevent slipping from uneven surfaces
- From extreme heat to freezing cold, **X-MET** always delivers the highest levels of performance

GPS/GIS integration

Optimised to work with Trimble® and other brands of GPS receivers, the **X-MET7000 Series** enables the user to combine location data with analysis results for mine mapping, for convenient and powerful data management.



Up to 10 – 12 hours battery life –
operate for a full day on a
single battery charge!

NEW icon driven user interface with large touch screen

- Fast and easy to use, minimal training required
- Largest screen on the market (4.3") for clearest result display
- Large, clear functional icons for easy operation, even with gloves on
- Bright, high contrast touch screen for optimal viewing even in direct sunlight
- Customisable results screen and analysis reports to suit individual needs: Fast decision making
- User customisable compound/oxide display and post-analytical calculations
- The **X-MET** automatically saves results in its integrated computer for peace of mind, and can store up to 100,000 results including the spectra
- Download results and customised reports directly onto USB memory stick, or onto PC using a USB cable or WiFi connection
- User interface available in 13 languages



Large touch screen

Analysis results with compound display



Great ergonomics and comprehensive range of accessories for flexibility and high productivity

- Light and compact, yet rugged design (weight < 1.8 kg)
- Convenient and comfortable handle grip
- Accurate and reliable trigger
- Optimised display position for easy viewing in all weather conditions and measuring angles
- **Extendable pole** for hard-to-reach analysis places and improved measurement ergonomics in the field
- **Holster** for simple transportation protection and easy access when on site
- Convert the **X-MET** to a benchtop unit in seconds with our **Benchtop Stand**
- **Light radiation shield** provides additional protection from scattering X-rays
- **Background plate** enhances analysis accuracy for samples in bags or cups by removing the background signal coming from beneath the samples
- **Bluetooth GPS receiver** for combining results and location coordinates
- Optional integrated camera for accurate sample positioning, image storage for future reference, and inclusion in reports. Option available on **X-MET7000 eXpress** and **X-MET7500**.

Configuration options

To suit your analysis needs



X-MET7000 eXpress

- Great performance for trend analysis, grade control and mine exploration
- Analyses over 30 elements from K to U
- Low limits of detection for trace elements analysis
- Includes 40kV X-ray tube and high performance silicon-drift detector (SDD)

NEW X-MET7500 Mining Analyser

- With the NEW highest performance large area silicon-drift detector (SDD) for detection limits down to 1 ppm
- Best performance for advanced mining applications
- Light elements analysis (Mg, Al, Si, P, S) without Helium or vacuum
- Analyses over 35 elements from Mg to U
- Includes 45kV X-ray tube for enhanced heavy elements performance

OiService - worldwide service and support

Oxford Instruments Customer Service recognises there are many decisions to make when choosing the right product and company with which to partner. It is not just about superb instrument functionality or the rugged design of the analyser. The OiService teams are aware of the necessity to demonstrate our depth of knowledge, skills, experience and expertise with regard to supporting our customers.

Oxford Instruments offers a range of support packages and products that provide you with the level of service you require:

- Technical help desk support
- Extended warranty contracts
- Tailored service plan agreements
- World class training academy
- Genuine approved spare parts
- Consumable products Webshop
- Rental analyser scheme on certain products
- Service repair at OiService centre

Please ask about details of our comprehensive range of products or visit our website at: www.oxford-instruments.com/ia-customerservice

visit www.oxford-instruments.com/x-met7000 for more information

This publication is the copyright of Oxford Instruments plc and provides outline information only, which (unless agreed by the company in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or regarded as the representation relating to the products or services concerned. Oxford Instruments' policy is one of continued improvement. The company reserves the right to alter, without notice the specification, design or conditions of supply of any product or service. Oxford Instruments acknowledges all trademarks and registrations. © Oxford Instruments plc, 2013. All rights reserved. Part no: OIIA/106B/1113



The Business of Science®



ORGANISATION
CERTIFIED BY
Inspecta

ISO 9001