

SOIL

X-MET7000 Series

The essential tool for environmental testing of soil

NEW detector, LOWER detection limits, NEW software



On-site screening of contaminants in soil

The **X-MET7000** Series handheld X-ray fluorescence (XRF) analysers provide rapid, on-site screening for heavy metal pollutants in soil. The **X-MET** is an essential tool for site characterisation, contamination tracking, site remediation and monitoring. It dramatically reduces the need and cost for off-site laboratory analyses.

X-MET7000 Series for...

- Rapid and accurate determination of toxic elements and pollutants
- Clear Pass/Fail messages with user-defined limits for fast remediation decisions
- Site mapping with full GPS integration for combining analysis data with location coordinates
- Analysis of soil on the ground or in sample bags
- Laboratory quality results with little sample preparation

Rapid / Rugged / Reliable

OXFORD
INSTRUMENTS

The Business of Science®

Easy to use: Simple 'point and shoot' analysis



Minimise the need for expensive and time consuming laboratory analysis

- Field analysis results are available in seconds. Anywhere, anytime
- Measurement of rocks and powders
- Screening analysis with minimal sample preparation
- Highly accurate determination of over 30 elements including V, Cr, Co, Cu, Ni, Zn, As, Se, Mo, Ag, Cd, Pb, Hg, Sb etc.
- Detection limits down to 1 ppm
- The **X-MET7000 eXpress** and **X-MET7500** fully meet the EPA6200 method requirements
- Unbeatable performance and flexibility with Fundamental Parameters and/or Empirical calibration
- Real time averaging for improved confidence in results
- Create customised empirical calibrations to suit your specific requirements
- Create and save secure PDF results reports on site

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
- Light, rugged and waterproof case for transportation and storage

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 site 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
- 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
- User customisable compound/oxide display and post-analytical calculations
- Download results and customised reports directly onto USB memory stick, or onto PC using a USB cable or WiFi connection
- Operate the **X-MET** using its integrated touchscreen, or using an external touchscreen or PC
- User interface available in 13 languages



Large touch screen

Main menu

Results screen



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

- Light and compact, yet rugged design
- 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 when measuring soil samples in bags
- **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

Configuration options

To suit your analysis needs



X-MET7000 eXpress

- Great performance at a competitive price for rapid on-site screening
- Analyses 30 elements from K to U
- Optional Soil empirical calibration for ultimate accuracy in SiO₂ matrix
- 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

- Best performance with great flexibility
- Light elements analysis without Helium or vacuum
- Analyses 30 elements from K to U
- Includes 45kV X-ray tube for enhanced heavy elements performance (e.g. Cd) performance
- With NEW Large Area SDD for detection limits down to 1 ppm

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

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