

X-MET

X-MET7000 Series

Handheld XRF Analysers to suit your analysis requirements

New look, new feel, new fast user interface, new reporting power



Robust / Easy to Use / Total Reliability



The Business of Science®



X-MET7000 Series

The analytical solution for a wide range of industries

Metal alloys composition and identification



- Positive material identification (PMI)



- Flow accelerated corrosion (FAC) inspection



- Coating thickness measurement



- Precious metals jewellery
- Archeometry

Environmental and compliance testing



- Pollutants and toxic elements in soil



- Lead (Pb) in solder
- RoHS, ELV, WEEE compliance testing



- Hazardous chemicals (e.g. CCA) in treated wood



- Toxic elements in consumer products

Oxford Instruments – A brand you can trust

- Oxford Instruments has over 35 years experience in designing, manufacturing, selling and supporting reliable, cost-effective portable XRF analysers
- Thousands of **X-MET** handheld XRF analysers have been supplied globally providing reliable results for a wide range of applications

Recycling

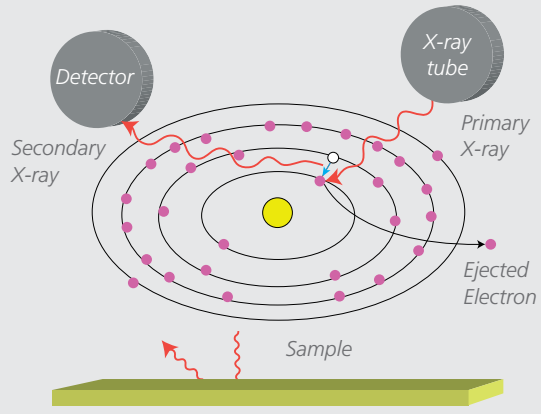


- Scrap sorting, e.g. metals, plastics, electronic components
- Precious metals (Pt, Pd, Rh) in used catalytic converters

Mining & minerals



- Ore exploration and mine mapping
- Process monitoring
- On-site excavation control
- Concentrates and tailings



X-ray fluorescence (XRF) method

X-ray fluorescence (XRF) instruments work by exposing a sample to be measured to a beam of primary X-rays. The atoms of the sample absorb energy from the X-rays, become temporarily excited and then emit secondary X-rays. Each chemical element emits X-rays at a unique energy. By measuring the intensity and characteristic energy of the emitted X-rays, an XRF analyser can provide qualitative and quantitative analysis regarding the thickness and composition of the material being tested.

Benefits of handheld XRF analysis:

- Rapid analysis: results in seconds
- Ease of use: simple “point and shoot” operation
- Portability: take the analyser to the sample, not the other way round
- Non-destructive analysis
- No or minimal sample preparation

X-MET7000 Series

Non-destructive testing

Ease of use

- Simple 'point and shoot' analysis
- Intuitive, icon-driven user interface
- Largest screen on the market (4.3") for best visibility
- Large grade name display
- Customisable results screen, including pass/fail messages






OXFORD
INSTRUMENTS

X-MET
7000



Up to
10-12 hours
battery life



Convenient, comfortable,
non-slip handle grip



Built to last

- Impact-resistant housing with environmental sealing
- IP54 compliant (equivalent to NEMA 3) for superior protection against dust and water
- Rubber bumpers around screen, nose and battery for protection against shocks and to prevent slipping from uneven surfaces



X-MET7000



Enhanced data download and reporting

- The **X-MET** stores up to 100,000 results (including spectra)
- Download results and reports directly to USB memory stick or to PC using Wifi or Bluetooth
- Create customised reports (CSV or PDF format)
- Secure PDF report format for ultimate data security
- 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**

Accurate and reliable trigger



Camera image



View saved image



X-MET7000 SERIES

Four configuration options

To suit your analysis needs

X-MET7000 Series: Which X-MET suits your needs?

X-MET7000	X-MET7000 eXpress	X-MET7500	NEW X-MET7500 Mining Analyser
Cost effective tool for routine, simple applications, when light elements determination is not needed.	When extra speed, improved precision and lower limits of detection are required, without the need for the light elements analysis.	Highest performance for the widest variety of materials For maximum flexibility Light elements analysis, without the need for Helium purge or vacuum	Designed for mining and soil applications. With NEW large area SDD for ultra low detection limits. New software to report compounds and pseudo elements.
			

X-MET7000 Series specifications

	X-MET7000	X-MET7000 eXpress	X-MET7500	X-MET7500 Mining Analyser
Weight	< 1.8kg			
Dimensions	9 cm (W) x 28 cm (L) x 27 cm (H)			
X-ray tube	40 kV Rh target	40 kV Rh target	45 kV Rh target	45 kV Rh target
Detector type	Si-PIN diode	Silicon-drift detector (SDD)	Silicon-drift detector (SDD)	Large area SDD
Elemental range	K - U	K - U	Mg - U	Mg - U
Calibrations	Combination of semi-quantitative methods (FP) and quantitative, traceable empirical calibrations			
Sample temperature	Up to 400°C	Up to 400°C	Up to 120°C	Up to 120°C

SUPPORT

X-MET7000 Series accessories

To boost productivity even further



The X-MET7000 Series accessories include:

- Benchtop stand: turn the **X-MET** into a laboratory benchtop analyser in seconds. Ideal for measuring jewellery items, sample cups, fasteners, small objects etc.
- Light stand and radiation shield: to safely and easily measure small items in the field, or when long measurements times are required.
- Portable Bluetooth® printer: perfect solution when instant prints or handouts are required in the field.
- Holster with belt: for hands-free on-site transportation and easy access to the analyser.
- And much more: see our Accessories brochure to discover our full range.



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 or email industrial@oxinst.com

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