

X-MET3000TX

Lightweight, hand-held, XRF analyzer



scrap sorting and metals analysis

X-MET3000TX

Rugged, reliable tool for fast, accurate analysis

- suitable for all weather conditions: 50°C — -15°C
- protective covers provided as standard



TÜV Certified for added confidence

- 1 metre drop test
- safety tested
- technology based on over 30 years XRF experience!

X-ray tube for optimized performance and maximum safety

- No isotope means
 - No regulatory controls
 - No travel restrictions
 - No licensing costs
 - No disposal problems
 - In-built safety features mean extra user protection

5 year X-ray tube warranty
2 year instrument warranty
the longest warranty in the industry!

Oxford Instruments recognizes the important role of the scrap industry in today's world.

High standards demanded by end-users mean that the quality and precision of metal sorting have to be second to none.

That is why the X-MET3000TX has been designed specifically with those requirements in mind.

Accuracy

- Be confident that the accurate analysis of Ni, Co, Cu, Mo, Sn, Ti, will allow you to get maximum value for your scrap, even with the tight tolerances demanded by the industry
- Avoid penalties by the accurate detection of tramp elements. Low detection limits for Cu, Bi, Mo, Zn, Cd and Pb

Speed of Analysis

- Grade ID in 2-5 seconds
- Full assay in 5-10 seconds

Durable Design

- Withstands all weather conditions and rough treatment
- Proven track record for reliability and endurance
- Minimal service costs and down-time

Extensive and Customizable Alloy Library

As standard, the X-MET3000TX has an integrated alloy library containing :

- Nickel Alloys
- Stainless Steels
- Cobalt Alloys
- Low Alloy Steel
- Tool Steels
- Copper Alloys
- Titanium Alloys
- Aluminum Alloys (heavy alloying elements)

Customize by adding new alloys quickly and easily



Maximize flexibility with choice of analysis modes

- Fundamental Parameter (FP)
 - Universal metal calibration that can measure 25 elements between Ti-U, regardless of concentration
 - Fast and Easy to Use
 - No calibration standards required
- Empirical Calibrations
 - Calibrated measurement of customized element ranges
 - When accuracy and speed is required for special applications or for specific tramp element detection
 - Soils Analysis Package – detect the presence of heavy metals in soil
- Software includes different analysis methods:
 - Grade ID
 - Quantitative chemistries
 - Identification mode



Simple Sample Measurement saves time and trouble

- Analyze large or small samples, solid or chip, turnings or shavings
- Automatic compensation for distance and shape of the sample

*For measurement of aluminum and carbon steel scrap, please ask for details on **ARC-MET8000**, Oxford Instruments' Optical Emission Spectrometer (OES)

Accessories

- Holster



ARE YOU WEEE/RoHS/ELV aware?

New European directives now severely restrict the presence of Pb, Hg, Cd, Cr (VI), PBB/PBDE's in all end-use consumer goods. The best measurement technique is XRF.

X-MET3000TX

PDA based technology for flexibility and simplicity

- bright color touchscreen display



- easy-to-use menu
- wireless transfer of data
- off-the shelf commercial PDA
- easily replaced if damaged
- full Windows CE functionality
- PC compatible
- full back-up flash card as standard
- customizable
- transferable
- unlimited storage of results

Easy to Use

- brief operator training
- point and shoot analysis
- no special knowledge required
- intuitive user interface

Profit through Accuracy

quality control and material verification

(Positive Material Identification PMI)

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The importance of quality control in every aspect of our lives is paramount.

Oxford Instruments' X-MET3000TX has been designed specifically for material verification functions where metals and plastics analysis is required.

With the introduction of the WEEE/RoHS/ELV and Packaging directives, this has become even more critical, especially to those companies that export or sell goods within Europe.

Now the testing processes along the whole supply chain have become a vital part of production.

For example: the inspection of incoming goods, testing during production and manufacturing of goods, not forgetting the routine maintenance essential in any plant.



Accuracy – Fast, precise measurement

- 304/321 separation in 5 seconds
- Sn or Sb analysis down to 0.1% in less than 10 seconds



Versatility

- Minimize labelling
- Incoming inspection of purchased materials
- Monitor assay to confirm goods meet specification
- Inspect pipes, welds etc for corrosion resistance, and pressure equipment for alloy composition
- Avoid material mix-ups
- Wires of less than 1mm in diameter, or small objects of the same size, can be identified in seconds



Maximize flexibility with choice of analysis modes

- Fundamental Parameter (FP)
 - Universal metal calibration that can measure 25 elements between Ti-U, regardless of concentration
 - Fast and Easy to Use
 - No calibration standards required
- Empirical Calibrations
 - Quick measurement of customized element concentration
 - When accuracy and speed is required for special applications or for specific element detection
- Identification mode

Extensive and Customizable Alloy Library

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- Aluminum Alloys (heavy alloying elements)

Customize by adding new alloys quickly and easily



Easy Reporting – time-saving and trouble-free

- Recording of results can be automated if desired
- Results can be downloaded to a PC wirelessly, or via Bluetooth
- An unlimited number of results can be stored for future processing
- PC Report Generator for easy and versatile formatting of final QC reports



Accessories



• Holster



• Weld adapter



• Rod adapter for wires and rods - can be used with wires of less than 1mm in diameter

ARE YOU WEEE/RoHS/ELV aware?

Use X-MET3000TX to detect the presence and amount of Pb, Cd, Cr, Hg

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Profit through Accuracy

measurement of heavy metals in soils

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There is a growing focus throughout the world on cleaning up the environment for health and safety reasons.

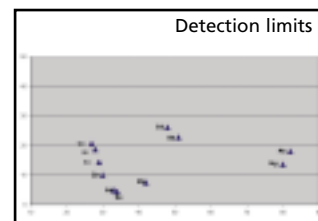
Legislation now imposes severe restrictions on land quality, especially where plots near cities are converted into cultivated land.

Pollution problems, ignored for years, are now coming to the surface, and in many countries the importance of heavy element analysis of soil is increasing.

Oxford Instruments' X-MET3000TXS is a dedicated soil analyzer, designed specifically for measuring heavy metals in soil – offering accurate and reliable identification of pollutants and fast analysis of their concentrations.

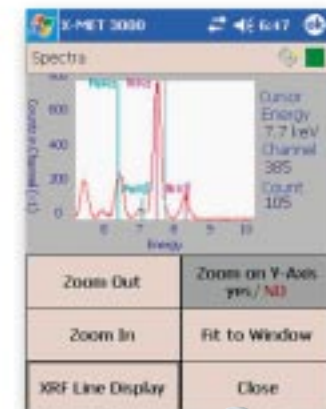
High Performance

- All required heavy elements in soil are detected simultaneously – such as Pb, As, Cr, Cu, Zn, Ni, Cd, Co, Se, Mo, Hg, Sb, Ag and Ba
- Typically, one measurement takes 15-120 seconds, depending on the elements of interest and accuracy required
- Low detection limits
- Results are immediately available, ensuring valuable time is spent on analysis, not waiting for results, and are easily transferred to a PC
- Full compliance with US EPA Method 6200



Save Time and Money by Screening on Site

- Quickly identify polluting elements and define the limits of "hotspots"
- No need to waste time waiting for lab results to progress the analysis work
- Focus further analysis work only on those elements present in the contaminated soil



Sample Measurement is Fast and Simple

- Save time and money on easy sample preparation
- In the field, direct surface measurement can be done without any preparation
- Place soil in a plastic bag or sample cup
- More accurate results are obtained if the sample is dried, sieved, ground or pressed

Maximize flexibility with choice of analysis modes

- Fundamental Parameter (FP)
 - Universal calibration that can measure 25 elements between Ti-U, regardless of concentration
 - Fast and easy to use in a wide range of soil types
 - No calibration standards required
- Empirical Calibrations
 - Measurement of customized element concentration
 - Site specific empirical calibration available to optimize accuracy

Class: Soil	ID: 24
V	710.18
Cr	208.51
Fe	15255
Co	90.40
Ni	0.00
Cu	99.11
Zn	904.70
Hg	1006.45
As	1023.05
Se	920.25
Pb	2781.88
Mo	41.01
Ag	0.00

Accessories

- Field carrying case
- Shoulder strap



- Sample bag holder
- Sample cup adapter
- Remote control cable
- Bench-top instrument stand kit



- Holster

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click onto www.oxford-instruments.com for more information

worldwide service and support

Oxford Instruments is completely committed to supporting our customers' success. We recognise that this requires world class products complemented by world class support.

With a comprehensive training agenda for technical engineers and end users combined with a

global service force of Oxford Instruments trained engineers in close to 70 countries, backed by experienced analysts in 10 regional offices and 7 fully equipped applications laboratories, we can offer unrivalled support, wherever you are.

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Part no: OIA/127/A/0205



Certificate No FM29142

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