

**X-MET8000**  
GEO

**HITACHI**  
Inspire the Next



 analítica  
Salvadoreña

SOIL



Timely sample analysis is critical for environmental screening operations to quickly and accurately gather remediation and assessment data.

The X-MET8000 Geo is a handheld X-ray fluorescence (XRF) analyser for on-site environmental soil and sediment screening. Carry out high volumes of analyses and complete testing programs quickly, reducing the need for laboratory analyses and their associated costs.

Our revolutionary BOOST™ technology delivers the low limits of detection needed to measure critical elements (e.g. US EPA Method 6200 RCRA and priority elements) rapidly and accurately.

The X-MET's integrated GPS enables you to combine geolocation data with analyses results for flawless contaminants site mapping. It also works with Trimble® receivers for more accurate location data.





# Why the X-MET8000 Geo is the perfect tool for your business



## MEASURE AND SCREEN ON-SITE

Use the X-MET across an area with multiple measurement points to help with decision making on-site without having to suspend work to wait for laboratory results.



## RESULTS IN SECONDS

Measure up to 40 elements simultaneously with our standard soil calibration with results displayed in a matter of seconds with minimal sample preparation.



## MINIMAL TRAINING

The instrument is ready to use from its box, just 'point and shoot'.



## COMFORTABLE

Light weight (1.5 kg), great ergonomics and 10-12 hour battery life ensures uninterrupted workflow and minimum fatigue.



## LOW COST OF OWNERSHIP

Withstands the harshest environments and weather conditions, the X-MET is IP54 compliant (equivalent to NEMA 3) for protection against dust and splash water, and tested to the MIL-STD-810G military standard for ruggedness.



## ADVANCED DATA MANAGEMENT

Download results and reports directly to a USB stick, PC or a network share using WiFi in CSV format or tamper-proof PDF.

You can share the results on-the-go with our ExTOPE Connect mobile app and our cloud service enables you to export results, photographs and GPS coordinates securely in real-time. You can even manage results from a whole fleet of X-METs with a single account.

# Optional accessories

We offer a comprehensive range of accessories to make testing even easier.

## X-MET POLE

For hard to reach analysis places, the X-MET pole offers a simple solution with improved measurement ergonomics. It's particularly useful when measurements are required over a large area.



## BIPOD

Where longer analysis times are required, i.e. greater than 30 seconds, the bipod avoids the need to hold the analyser in your hand.

## BENCHTOP STAND

The X-MET benchtop stand offers a fast, simple transition from portable to benchtop configuration, allowing increased throughput analyses for samples in bags or cups.



## LIGHT RADIATION SHIELD

Minimise scattered radiation.

## LIGHT STAND AND SAFETY SHIELD

For the on-the-go analysis of powders. It fits in the X-MET case for total portability.



## PORTABLE BLUETOOTH PRINTER

Print results on paper or sticky labels, and attached them to test pieces; convenient and mix-up free.

## HOLSTER AND BELT

Hands-free on-site transportation of the analyser.

## QUICK-SWAP ANALYSIS WINDOW

Our quick-swap analysis window means you don't need a tool to change the window if it's broken or dirty, preventing potential detector damage and costly repairs.

## AN OPTION TO SUIT YOUR NEEDS

We offer two different models to provide you with a cost-effective solution.



	X-MET8000 Optimum Geo	X-MET8000 Expert Geo
Description	Rapid and reliable measurement of various geochemical samples and concentrates.	Ultimate performance for measuring variety of geochemical samples including REEs, light elements and pathfinders.
X-ray tube	45kV	50 kV
X-ray tube filters		6-position filter wheel
Detector	10mm <sup>2</sup> SDD with BOOST <sup>(TM)</sup> technology	25mm <sup>2</sup> large area SDD with BOOST <sup>(TM)</sup> technology
Element range		Mg – U
Rare Earth Elements (REEs)	No	Yes
IP54 and MIL-STD-810G	Yes	Yes
Weight (with battery)	1.5 kg	1.5 kg
Battery life	10 – 12 hours	10 – 12 hours
Protection against detector window damage	Shield window	Prolene window
Calibrations	Standardless with light elements.	Standardless with light elements and REEs.

## HARDWARE AND SOFTWARE OPTIONS

FEATURE	X-MET8000 Optimum Geo	X-MET8000 Expert Geo
Bluetooth	Included	Included
WiFi	Included	Included
Integrated camera	Optional	Included
Small-spot collimator	Not available	Optional
Report generator	Included	Included
ExTOPE Connect cloud connectivity and mobile phone app	Yes	Yes

# Our Service

Our global network of service hubs offers a full range of technical support to keep you up and running.

## Telephone help-desks

For a fast response to your problem.

## Online diagnostics

In-depth support over the internet.

## Rental instruments

To keep you working if your analyser is not.

## Recertification and maintenance

Ensures your analyser produces the right result year after year.

## Training

Understand your analyser and its features.

## Extended warranties

Avoid unplanned costs.

## Consumables and accessories

From spare batteries to benchtop stands.

## Repairs

Fast and efficient turnaround.

## WHAT NEXT?

Contact one of our experts today at [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com) to arrange a demo.

## MORE INFORMATION

To find out more about the X-MET8000 Expert Geo analyser, visit [www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)



# Other products

We have been providing industrial analysis products for over 45 years.

**Browse our full range of products online at**  
**[www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)**



## © Hitachi High-Tech Analytical Science

This publication is the copyright of Hitachi High-Tech Analytical Science 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. Hitachi High-Tech Analytical Science's 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.

Hitachi High-Tech Analytical Science acknowledges all trademarks and registrations.

© Hitachi High-Tech Analytical Science, 2024.  
All rights reserved.

Part number: 10017303