

# X-MET8000

GEO

**HITACHI**  
Inspire the Next



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)

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Part number: 10017303



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a better tomorrow