

# VANTA™

Handheld X-Ray Fluorescence Analyzer



Environmental Analysis  
Tough. Fast. Connected.

**OLYMPUS®**



# Fast, Accurate Hazardous Element Detection

with Axon Technology™—high count rate and stable spectra for low limits of detection (LODs)



## Environmental Compliance

Vanta analyzers are compatible with the requirements of US EPA 6200; EPA TCLP HAZMAT; ISO/DIS 13196; US EPA, NIOSH, and OSHA.



## Durable

All Vanta™ models are built to pass a 4-foot drop test (MIL-STD-810G).



## Easy Data Management

Optional wireless connectivity enables real-time data uploads and downloads, as well as instant back-up to the Olympus Scientific Cloud.



## Performs in All Environments

Fully functional in temperatures ranging from 14 °F to 122 °F (-10 °C to 50 °C)\*. IP65 (C and L series) and IP64 (M series) rated for protection against dust and water intrusion.



## Simple Interface

Smartphone-like operation: swipe, flick, and tap. Customize home screen buttons for frequently used operations.



## Accessories

### Soil Foot

The Vanta Soil Foot provides stable, three-point support for hands-free analysis, making it convenient when longer test times are required.

### Field Stand

The Vanta Field Stand offers a lightweight, mobile test stand and a shielded sample chamber for testing small items, like samples in cups or bags.

### Holster

Keep your analyzer within arm's reach. The Vanta Holster features a security strap, MOLLE/PALS webbing for additional attachments, and brass shielding.

### Eyelid Shutter

Automatic eyelid shutter helps prevent costly detector damage (C and M series).

Olympus stands behind every rugged, reliable Vanta analyzer with a standard 3-year warranty



# The Vanta™ Series

Olympus manufactures Vanta analyzers to suit a variety of applications depending on your needs. Each Vanta analyzer is engineered for durability and analytical superiority and comes with a 3-year warranty.

## M Series

Our most powerful Vanta analyzers feature exceptional performance. Each M Series analyzer comes equipped a large-area silicon drift detector, your choice of either a rhodium (Rh) or a tungsten (W) anode, and a 50 kV X-ray tube.

## C Series

The C Series combine value with superior speed, limits of detection (LODs), and elemental range. Each C Series analyzer is equipped with a silicon drift detector and your choice of an Rh or W anode 40 kV X-ray tube, or a silver (Ag) anode at 50 kV X-ray tube.

## L Series

Get the ruggedness, ease of use, and data management features of Vanta analyzers in a cost-effective PIN instrument. The L Series is designed for maximum uptime and a lower cost of ownership for reliability in the field.

## Model Comparison: Selected LODs (ppm)

	Cr	Hg	As	Pb	Se	Ag	Cd	Ba*
VMW	7	1	1	1	1	2	2	5
VCW	10	1	1	2	1	2	2	7
VLW	55	7	2	5	2	5	8	20

LOD based on 120-second per beam test and an ideal clean matrix with no interfering elements. Performance may vary.

\*Ba ordered separately.

**LeadPaint**

El	mg/cm2	+/-	
Pb	0.306	0.006	Pass

**Notes**

**Spectrum**

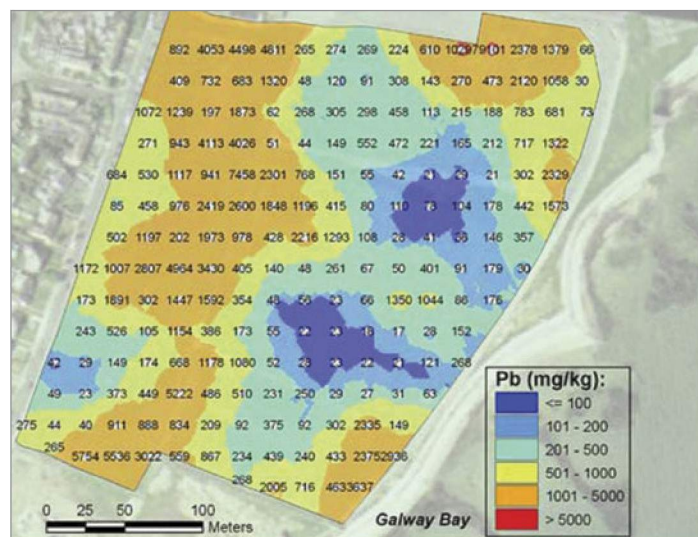
**Image**

**GeoChem**

El	PPM	+/-
As	1161	12
Ba	453	4
Cd	13	0.7
Cr	211	31
Pb	4832	21
Hg	18	4
Se	5	1
Ag	41	0.7
Sb	53	2

**Ready**

**OLYMPUS**



GPS XRF concentration contour map delineating Pb patterns in a 20 m x 20 m sports park.

[www.olympus-ims.com](http://www.olympus-ims.com)

**OLYMPUS**

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**OLYMPUS SCIENTIFIC SOLUTIONS AMERICAS CORP.**  
is certified to ISO 9001, ISO 14001, and OHSAS 18001.

\*With optional fan. The fan assembly is IP56 rated. Operates continuously at 33 °C without the fan.  
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