

# VANTA

Rugged. Revolutionary. Productive.



Vanta™ handheld XRF analyzers are rugged and built for analytically demanding applications in the harshest environments. Vanta analyzers are IP65\* rated for protection against dust and water, are drop tested, and built to withstand a temperature range of -10 °C to 50 °C (14 °F to 122 °F).\*\*

Vanta analyzers provide fast, accurate elemental analysis. Each device features Olympus' Axon Technology™, a revolution in XRF signal processing that provides accurate, repeatable results for greater productivity and a fast return on investment. Vanta analyzers feature an intuitive interface and application-specific software so new users can work with the device with minimal training. Data is easily exported wirelessly, or via USB.

# The Vanta Series

No matter the model, each Vanta™ analyzer is engineered for durability and analytical superiority and comes with a three-year warranty. Olympus manufactures Vanta analyzers to suit a variety of applications depending on your needs.

## 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.

## Vanta Specifications

Dimensions (W × H × D)	8.3 cm × 28.9 cm × 24.2 cm (3.25 in. × 11.4 in. × 9.5 in.)
Weight	1.70 kg (3.75 lb) with battery, 1.48 kg (3.25 lb) without battery
Excitation Source	4-Watt X-ray tube with application optimized anode material (rhodium (Rh), silver (Ag), or tungsten (W)) M Series (Rh & W) and C Series (Ag): 8–50 kV C Series (Rh & W): 8–40 kV L Series (W): 35 kV
Primary Beam Filtration	8-position auto selected filter per beam per mode; optional collimation to 3-mm diameter beam spot
Detector	M Series: Large area silicon drift detector C Series: Silicon drift detector L Series: Silicon PIN detector
VCR Alloy Plus	Elements per mode without interference: 39
VMR GeoChem REE	Elements per mode without interference: 47
Power	Removable 14.4 V Li-Ion battery with hot-swap capability or 18 V power transformer 100–240 VAC, 50–60 Hz, 70 W max
Display	800 × 480 (WVGA) LCD with capacitive touch screen supporting gesture control
Operating Environment	Temperature: -10 °C to 50 °C (continuous duty cycle with optional fan) Humidity: 10% to 90% relative humidity non-condensing
Drop Test	Military Standard 810-G 4-foot (1.3 M) drop test
IP Rating and Detector Shutter	M Series IP64: dust tight and protected against water splashing from all directions C and L Series IP65: dust tight and protected against water jets from all directions Solid detector shutter to help prevent detector damage
Pressure Correction	Built-in barometer for automatic altitude and air density correction
GPS	Embedded GPS / GLONASS receiver
Operating System	Linux® Cloud enabled with user fleet manager capability
Data Storage	microSD™ slot with included 1 GB Industrial SD card
USB	(2) USB 2.0 type A host ports for accessories such as wireless LAN, Bluetooth®, and USB flash drives. (1) USB 2.0 type mini-B port for connection to computer.
WiFi	Supports 802.11 b/g/n (2.4 GHz) via optional USB adaptor
Bluetooth	Supports Bluetooth® via optional USB adaptor
Aiming Camera	Full VGA CMOS camera
Panoramic Camera	5-megapixel CMOS camera with autofocus lens
Warranty	Three-year warranty
Accessories	Field Stand, Soil Foot, Holster, Work Station, Weld Mask, Hot Heel, and Probe Shield

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

\*M Series analyzers are IP64 rated \*\* With optional fan. The fan assembly is IP54 rated. Operates continuously at 33 °C without the fan. All specifications are subject to change without notice. All brands are trademarks or registered trademarks of their respective owners and third party entities. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Olympus Corporation is under license. microSD is a trademark of SD-3C, LLC. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. Olympus is a registered trademark, and Vanta and Axon Technology are trademarks of Olympus Corporation. Copyright © 2018 by Olympus.

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