

**Vanta Element  
Specifications**

# Vanta™ Element XRF Analyzer

## Affordable Alloy ID



Vanta™ handheld XRF analyzers are rugged and built for analytically demanding applications in the harshest environments. Vanta Element analyzers are IP54 rated for protection against dust and water, are drop tested, and built to operate continuously at a temperature range of  $-10\text{ }^{\circ}\text{C}$  to  $45\text{ }^{\circ}\text{C}$  ( $14\text{ }^{\circ}\text{F}$  to  $113\text{ }^{\circ}\text{F}$ ).

Vanta Element XRF 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.

# Rugged, Modern, and Affordable

Engineered for durability, the Vanta™ Element analyzer is built to withstand harsh testing conditions. Ease of use and efficient data management round out the analyzer's advantages, providing an entry-level package with streamlined capabilities that is well-suited for demanding applications such as scrap sorting.

## Vanta Element Specifications

Dimensions (W × H × D)	8.3 cm × 28.9 cm × 24.2 cm (3.25 in. × 11.4 in. × 9.5 in.)
Weight	1.54 kg (3.39 lb) with battery, 1.32 kg (2.91 lb) without battery
Excitation Source	2-watt X-ray tube with 35 kV tungsten anode
Primary Beam Filtration	Fixed aluminum filter
Detector	Silicon PIN detector
Power	Removable 14.4 V Li-Ion battery 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 45 °C (14 °F to 113 °F) at 100% duty cycle Humidity: 10% to 90% relative humidity noncondensing
Drop Test	Military Standard 810-G 4-foot (1.3 M) drop test
IP Rating and Detector Shutter	IP54: dust protected and protected against water splashing from all directions
Operating System	Linux®
Data Storage	microSD™ slot with removable 1 GB Industrial SD card included
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 cable for connection to computer.
Wireless LAN	Supports 802.11 b/g/n (2.4 GHz) via optional USB adaptor
Bluetooth	Supports Bluetooth® with an optional USB adaptor
Warranty	One-year warranty
Optional Accessories	Field Stand, Soil Foot, and Holster

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

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