



Vanta™ iX In-Line XRF Analyzer

Keep Your Process Up to Speed

Affordable, Rugged, and Connected

The Vanta™ iX in-line X-ray fluorescence (XRF) analyzer gives you confidence in your products by automating material analysis and alloy identification (ID) on the manufacturing line:

- Delivers instant results for real-time process monitoring and 100% alloy verification
- Built to operate 24/7
- Configured to deliver pass/fail results, accurate grade ID, and material chemistry

Like all Vanta electronics, the Vanta iX analyzer works fast while delivering reliable, actionable results to guide critical decisions. The system is IP rated and vibration tested for greater uptime in production facilities. Mounting holes and versatile connection options provide easy integration and control.

Vanta™ iX Specifications

Dimensions (W × H × D)	10 cm × 7.9 cm × 26.6 cm (3.9 in. × 3.1 in. × 10.5 in.)
Weight	2.4 kg (5.29 lb)
Excitation Source	X-ray tube: rhodium (Rh) or tungsten (W) anode (application optimized) 5–200 µA MR model: 8–50 keV (4 W max) CW model: 8–40 keV (4 W max)
Primary Beam Filtration	Eight filter positions automatically selected per beam per method
Detector	MR model: Large-area silicon drift detector CW model: Silicon drift detector
Power	Power over Ethernet (PoE+ IEEE 802.3 (2003)) or 18 V AC power adaptor
Elemental Range	Method dependent: MR model: Magnesium (Mg) to uranium (U) CW model: Titanium (Ti) to uranium (U) (with standard window and calibration)
Pressure Correction	Built-in barometer for automatic altitude and air pressure correction
IP Rating	IP54
Operating Environment	Temperature range: –10 °C to 50 °C (14 °F to 122 °F) under continuous duty cycle Humidity: 10% to 90% relative humidity, non-condensing
Operating System	Linux
Application Software	Olympus proprietary data acquisition and processing package

www.olympus-ims.com

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is certified to ISO 9001, ISO 14001, and OHSAS 18001.

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