

Olympus DELTA DS2000 - XRF Handheld Metals Analyser



Available for rental / hire, the Olympus DELTA DS2000 XRF Handheld Metals Analyser.

See and feel the DELTA difference. The analyzer is compact and robust from probe to trigger to display, with sophisticated XRF technology that's better, faster, and more responsive. From initial boot-up to the final result, the DELTA is the optimum solution for all your analytical needs. The DELTA line gives you the ultimate experience in field-portable handheld XRF analysis, providing fast measurements with accuracy, precision, detection limit, and light element measurement capabilities built into a compact single-chassis frame wrapped in robust industrial-grade body casing.

The DELTA is a reliable and rugged analyzer that maximizes both speed and accuracy. Other XRF systems have trade-offs. They may be able to identify alloys quickly, however inexperienced operators may not be able to determine whether an ID is incorrect, or whether longer testing is required. So how does the conscientious inspector maximize testing speed without increasing the risk of mistaken IDs or erroneous readings? Innov-X's SmartSort solution automates all these decisions, enabling even inexperienced operators to maximize both speed and inspection accuracy. This powerful feature yields optimized throughput and accuracy, making the DELTA an extremely productive XRF for alloy inspection.

Key features

- 4 W X-ray tube, 200µA current (max) plus optimized beam settings
- Tight geometry for exceptional LODs and high analysis throughout
- Large-Area SDD option plus customized X-ray provides exceptional light element sensitivity
- Patent-pending automatic barometric pressure correction adjusts calibration as needed
- Lightning fast bootup and data acquisition: Faster testing, more results
- Floating Point Processor: Provides more calculations in less time and leverages more advanced calibration algorithms
- Integrated Bluetooth for data input and output
- Ergonomic rubberized handle for enhanced grip
- Analysis indicator lights visible from 360°
- Bright, responsive, color touch screen display

Applications

- Precious Metals & Jewellery Analysis
- Positive Material Identification (PMI)
- Ore Grade Control
- Exploration
- Scrap Metal Sorting
- Mine Mapping
- Alloy Quality Control (QC)
- Toys
- Dust
- Lead in Paint
- Filter Analysis
- Wipe
- Car Catalysts
- Recycling
- Soil Testing

Technical specification

Calibrations	
Alloy Plus	Cd, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, W, Hf, Ta, Re, Pb, Bi, Zr, Nb, Mo, Pd, Ag, Sn, Sb PLUS Mg, Al, Si, P, S
Lead in Paint	Analysis of Lead Paint for industrial applications. Not recommended for HUD testing applications.
Dust Wipe	Analysis of surface wipes. Requires Portable Workstation for analyser
Filter Analysis	Analysis of particulates on air filters. Requires Portable Workstation for analyser. Ti, Cr, Mn, Ni, Co, Cu, Zn

Soil Environmental	Compton Normalisation algorithm designed for achieving lowest limit of detection possible for exploration samples. 3-beam mode standard. K,Ca,S,P,Cl,Ti,Cr,Mn,Fe,Co,Ni,Cu,Zn,Hg,As,Pb,Se,Rb,Sr,Zr,Mo,Ag,Cd,Sn,Ba
Hardware and Accessories	Miniature X-Ray Tube (Ag)
	Standard SDD (<165 eV)
	2 x Li-Ion Batteries
	Docking Station
	Waterproof Rugged Carrying Case
	Wrist strap
	316 Steel Calibration Check Reference Sample
	Mini USB Cable
Optional Portable Workstation	Fully Shielded, rugged test stand for benchtop or remote controlled testing. Advanced PC Software included.

Dimensions

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