

XRF and XRD Analyzers
DELTA Professional



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The DELTA Professional

The DELTA Professional with new X-act Count Technology is configured with a 40kV miniature X- ray tube, advanced Silicon Drift Detector (SDD), specialized filters, and multi-beam optimization. It is the best value solution from Olympus for handheld XRF analyzers. The DELTA Professional provides superior performance in speed, LODs , and elemental range.

DELTA Professional Specifications

Dimensions	260 x 240 x 90 mm (10.25 x 9.5 x 3.5 in.)
Excitation source	4W Ag, Rh, Au, or Ta anode (per application) X-ray tube
Detector	Silicon Drift Detector
Environmental temperature range	-10 °C to 50 °C (14 °F to 122 °F)
Analytical range	Alloy and Mining: Mg and up for Rh/Ag and Al and up for Ta/Au; Soil: P and higher
Processing electronics	530 MHz CPU with integrated FPU with 128 MB RAM; Proprietary Olympus X-act Count Digital Pulse Processor (DPP)
Smart Electronics	Barometer for atmosphere pressure correction of light elements' measurements
Power	Rechargeable Li-ion battery; Hot-swap maintains analyzer power during battery change
Display	32 bit Color QVGA resolution, Blanview transmissive backlit touchscreen; 57 x 73 mm (2.25 x 2.9 in.)
Data Storage	1 GB microSD (stores ~75,000 readings)
Data Transfer	USB

Standard Accessories

- Waterproof Carrying Case
- Two (2) Li-ion Batteries
- Electronic User Manual and User Interface Guide and Printed Quick Start Guide
- Docking Station
- Mini USB Cable
- 316 Stainless Steel Calibration Check Reference Coin
- Ten (10) Spare Windows
- Integrated Wrist Strap
- DELTA PC Software
- Factory Authorized Training & Support

Optional Accessories

- XRF WorkStation for mobile benchtop use
- Soil Foot facilitating hands-free In-situ testing
- Soil Extension Pole offering ergonomic In-situ testing while standing/walking
- Belt Holster

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