

### DELTA® Professional Handheld XRF Analyzer Specifications

The DELTA Professional with X-act Count™ technology is an outstanding value solution. It provides excellent performance in speed, LODs, and elemental range.

Housed in a rugged body designed for demanding environments, the DELTA Professional analyzer provides a good mix of durability and analytical performance with lower cost of ownership.

The DELTA Professional analyzer – Incorporating everything you need in a handheld XRF with an innovative, rugged design.



DELTA Professional

#### Specifications\*

<b>Weight:</b>	1.5 kg (3.25 lbs) without battery
<b>Dimensions:</b>	260 × 240 × 90 mm (10.25 × 9.5 × 3.5 in.)
<b>Excitation source:</b>	4 W Ag, Rh, Au, or Ta anode (per application) X-ray tube
<b>Detector:</b>	Silicon drift detector
<b>Environmental temperature range:</b>	-10 °C to 50 °C (14 °F to 122 °F)
<b>Analytical range:</b>	Alloy and mining: Mg and up for Rh/Ag and Al and up for Ta/Au; Soil: P and higher
<b>Processing electronics:</b>	530 MHz CPU with integrated FPU with 128 MB RAM; Proprietary Olympus X-act Count digital pulse processor (DPP)
<b>Smart electronics:</b>	Barometer for atmosphere pressure correction of light elements' measurements
<b>Power:</b>	Rechargeable Li-ion battery; Hot-swap maintains analyzer power during battery change
<b>Display:</b>	32 bit color QVGA resolution, Blanview transmissive backlit touchscreen; 57 × 73 mm (2.25 × 2.9 in.)
<b>Data storage:</b>	1 GB microSD™ (stores ~75,000 readings)
<b>Data transfer:</b>	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

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## Features and Benefits

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Powerful 4 W X-ray tube, 200  $\mu$ A current (max), optimized beam settings

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Tight geometry for exceptional LODs and high analysis throughput

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Large-area SDD and customized X-ray tube options for exceptional sensitivity and precision for more elements and materials

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Automatic barometric pressure correction that adjusts calibration as needed for more accurate analysis of light element

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Fast data acquisition for faster testing time

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Floating point processor: Provides more calculations in less time and leverages more advanced calibration algorithms

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Integrated wide area heat sinks throughout the analyzer's body for high-power use in extreme temperatures

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Analysis indicator lights visible from 360° to help ensure safe use

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Advanced colortouch LCD screen for clarity, brightness, responsiveness, and energy efficiency for indoor/outdoor use

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DELTA® PC software for enhanced data analysis, calibration modeling, and optional closed beam workstation operation

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USB interface port for high-speed downloads and seamless PC control

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Ergonomic rubberized handle for enhanced grip

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Docking station and hot swap batteries

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The unique DELTA Docking Station frees you from having to power down the analyzer. The station charges the analyzer battery and a spare, and performs periodic calibration checks. DELTA analyzers can be operated 24/7 in the field with hot swap battery replacement.

[www.olympus-ims.com](http://www.olympus-ims.com)

**OLYMPUS**®

**OLYMPUS CORPORATION OF THE AMERICAS**  
48 Woerd Avenue, Waltham, MA 02453, USA, Tel.: (1) 781-419-3900  
110 Magellan Circle, Webster TX, 77598, USA, Tel.: (1) 281-922-9300

For inquiries - contact  
[www.olympus-ims.com/contact-us](http://www.olympus-ims.com/contact-us)

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