

A NEW BREED OF HANDHELD XRF



4 WATT X-RAY TUBE PLUS
OPTIMIZED BEAM SETTINGS

TIGHT GEOMETRY FOR
EXCEPTIONAL LODS AND
HIGH ANALYSIS
THROUGHPUT

LARGE-AREA SDD OPTION
PLUS CUSTOMIZED
X-RAY TUBE PROVIDES
EXCEPTIONAL LIGHT
ELEMENT SENSITIVITY

UNIQUE INTEGRATED VACUUM
TECHNOLOGY (PATENT PENDING)

PATENT PENDING AUTOMATIC BAROMETRIC
PRESSURE CORRECTION ADJUSTS CALIBRATION
AS NEEDED

LIGHTNING FAST BOOT-UP & DATA ACQUISITION:
FASTER TESTING, MORE RESULTS

USB INTERFACE PORT FOR HIGH SPEED DATA
DOWNLOAD AND SEAMLESS PC CONTROL

FLOATING POINT PROCESSOR: MORE PROCESSING
POWER FOR FASTER RESULTS AND ADVANCED
ANALYTICAL POWER

HOT SWAP: REPLACE RECHARGEABLE
BATTERY WITHOUT TURNING UNIT OFF

INTEGRATED BLUETOOTH FOR DATA
INPUT AND OUTPUT

ERGONOMIC RUBBER HANDLE FOR
ENHANCED GRIP

INCORPORATING EVERYTHING YOU NEED in handheld XRF with state-of-the-art innovations and a brand new design – *The DELTA Line from Innov-X.*



DELTA Premium Vacuum

- » Large-Area Silicon Drift Detector
 - » 4-Watt X-ray tube, application-optimized anode
- This ruggedized tool is optimized for superior light-element analysis of alloys, mining samples, and various other applications. A truly unique analyzer designed for the aluminum and quality control critical industries.*



DELTA Premium

- » Large-Area Silicon Drift Detector
 - » 4-Watt X-ray tube, application-optimized anode
- The Premium has tremendous speed and across-the-board low LODs for optimized sensitivity and maximized throughput as well as sensitive light-element analysis, all with the strength and durability of DELTA's robust, industrial-grade body. The ideal solution for ultra quick and analytically demanding applications.*



DELTA Standard

- » Silicon Drift Detector
 - » 4-Watt X-ray tube, application-optimized anode
- Provides excellent speed and LODs as well as some light-element analysis capabilities. The standard in handheld XRF utilizing DELTA-tough construction and optimized electronics for stability and dependability you can build your business around.*



DELTA Classic

- » Si-PiN Detector
 - » 4-Watt X-ray tube
- Ideal solution for standard applications once thought challenging, but now considered routine for HHXRF analyzers. Cost effective, easy to use, and reliable.*

ANALYSIS INDICATOR
LIGHTS VISIBLE FROM 360°

You get it all—

Superior Analytical XRF
Performance Encased in
a Tight, Robust Industrialized
Field Configuration.

RESPONSIVE, BRIGHT
COLOR TOUCH SCREEN
DISPLAY

ADDITIONAL
BATTERY CHARGER

DOCKING STATION WITH AUTOMATIC
CALIBRATION CHECK AND CHARGING



The Ultimate Experience in Handheld XRF—

Super fast measurements with amazing accuracy, precision detection limits and light element measurement capability, all built into a compact, single-chassis frame wrapped in a robust industrial-grade body.

INNOVATIONS AND NEW FEATURES

Industrial Grade

BODY

- » Compact, single chassis frame for strength and upgrade-ability
- » Ultra-rugged, Lexan™ body
- » Resistant to dust and water
- » Ergonomic rubber handle for firm, secure grip
- » Superior construction and unique over-mold design provides exceptional shock protection

HEAT SINK

- » Integrated heat sink for high power use in extreme temperatures

Redesigned Internal Configuration

OPTIMIZED OPTICAL PATH

- » Close geometry enables shorter testing times with higher precision and more sensitivity
- » Optimized with state of the art available tubes, detectors & filters

Energy Efficient Power Management

BATTERY

- » Power saving features extends battery life; multiple sleep modes
- » Hot-swap battery while unit is on; retains data & calibrations

State-of-the-Art Electronics

ADVANCED CPU

- » Superior digital pulse processor for fastest communication & processing
- » Advanced micro memory for ease of storage & operation upgrades
- » Integrated floating point processor for fast, high-volume calculations

REAL-TIME BAROMETER

- » Patent Pending automatic air pressure air pressure correction for altitude changes critical for light element measurements

INTEGRATED BLUETOOTH

- » Connectivity to other field portable devices

Intuitive, Interactive Display

DISPLAY & USER INTERFACE

- » Bright, interactive touchscreen display
- » Motion responsive accelerometer – readjusts screen for viewer
- » Intuitive, easy-to-use icon based user interface

Docking Station

CHARGE & COMMUNICATION

- » Recharges battery in unit and spare battery in station
- » Connect to a PC for Data Download and Analyzer Interface
- » Automatically runs calibration check on instrument