



Elvatech

Advanced XRF equipment and solutions



ARCHEOMETRIC ANALYSIS

PROSPECTOR 3

MAX

www.elvatech.com

The ElvaX ProSpector 3 MAX handheld XRF analyzer is a fast and powerful system ideally suited for archaeometry due to the combination of all the features and characteristics necessary for effective analysis of archaeological artifacts. The ProSpector 3 MAX offers a set of tools for reliable non-destructive analysis of a wide range of materials for the purposes of archaeological provenance, dating, and authentication. The scope of analyzed materials includes alloys, ceramics, pigments, glass etc.



User benefits in archaeometry:

Low Limits of Detection

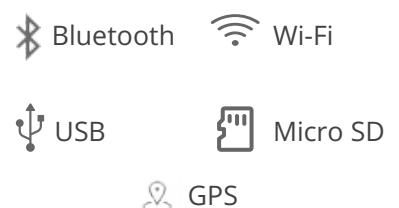
- Optional connection of Helium purge significantly improves detection limits for light elements and allows analysis starting from Na
- SDD detector with graphene window provides highest performance on the market

Analysis Speed

- Highly accurate analysis in just several seconds due to DAS & DPP™ technology boosting count rate up to 500 000 CPS. The fastest ROI for your business!

GPS Mapping

- Integrated GPS module allowing to tag all the measurements with geographical coordinates



All interfaced to quick data exchange

ProSpector 3 has the largest touch screen (4.3") available in hand-held XRF analyzers

Accurate Sample Positioning

- Automatic collimator changer and CCD camera allow to analyze specific spots of non-uniform items



GPS Mapping

- Integrated GPS module allowing to tag all the measurements with geographical coordinates

Convenient Table-Top Operation

- Unique 4.3" flip screen allows for setting up a mini laboratory with the controls at your fingertips



ProSpector 3 is available in two bright colors, so they never get lost during Your operations.

Besides the field analysis ElvaX ProSpector 3 MAX offers a powerful PC software for in-depth analysis. ElvaX ProSpector 3 MAX is equipped with a USB and Wi-Fi for seamless synchronization with a PC. The analysis data is easily exportable into MS excel for further processing.

By employing the newest technologies on the market the ElvaX ProSpector 3 MAX helps you make your work much less time consuming, more convenient and efficient.

General specs

Display: 4.3" LCD touchscreen
Hardware: 1GHz WindowsEC7 based
Dimensions: 236x193x68 mm
Weight: 1.05 kg (with battery)
Battery: up to 16 hours
Protection: IP67
GPS: on board
Interfaces: USB, Bluetooth, WiFi, microSD
Optional He purge

DigiX-50 X-Ray source

Anode: Rh, Ag
Power: 5 W
Current: 200 μ A
Voltage: 50 kV

X-Ray SDD detector

Energy resolution: <140 eV @ Mn K α
Count rate: >500 000 cps.
Area: 40 mm²
Window: Graphene 1 μ m

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