



Advanced XRF equipment and solutions



## ARCHEOMETRIC ANALYSIS

**PROSPECTOR 3**

**MAX**

[www.elvatech.com](http://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 archeometry:

### Low Limits of Detection

- Optional connection of Helium purge significantly reduces detection limits of light elements and allows for analysis from Na
- Graphene SDD detector provides highest performance on the market

### Analysis Speed

- Highly accurate analysis in just several seconds due to digiX™ technology boosting count rate up to 500 000 CPS

### 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



## Protected Against Dust and Moisture

- IP67 protection allows you not to worry about the weather and working conditions

## 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 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  $\mu$ A  
Voltage: 50 kV

## X-Ray Fast SDD detector

Energy resolution: 140 eV @ Mn Ka  
Count rate: >500 000 cps.

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