

ElvaX ProSpector

The Ultimate XRF Analyzer



ElvaX ProSpector is a powerful handheld analyzer employing the latest developments in XRF analysis. Due to the advanced electronics and state-of-the-art mathematical algorithms ProSpector provides ultimate quality of measurement within a couple of seconds. It is an intuitive and user friendly instrument for highly accurate elemental analysis in a variety of applications.

ElvaX ProSpector at a glance

- Detection range from **Cl to U** or from **Mg to U**.
- The instrument may employ Si-PIN, SDD or Fast SDD detector.
Using Fast SDD detector increases count rate up to as much as 300 000 CPS.
- Low detection limits.
- Over 8 hours operation from the battery.
- Alloy grade library containing 300+ alloys, completely editable.
- Measurement averaging feature.
- Analysis correction by user factors.
- High stability. No need for calibration by user.
- Radiation safety: proximity sensor, low count rate detection.

Alloy analysis

Mining and geology

RoHS

Scrap sorting

Precious metals analysis

Archeometry

Catalytic converters analysis

Lead in paint analysis

General Laboratory

Small objects analysis

Use a laboratory stand to prevent x-ray scattering when analyzing small objects.



Instant Analysis results print-out

A portable Bluetooth printer provides measurement prints at any time, anywhere.



Weld Joints Analysis

An adaptor for weld joints analysis focuses X-ray spot on a weld joint excluding surrounding material.



Convenient carrying case and holster

Impact and water resistant carrying case allows you to take the instrument anywhere you need it. A holster with belt straps is used to keep the instrument handy all the time.



Specifications

X-ray tube	W, Au, Ag or Rh anode 40 kV
Detector	Si-PIN 6mm, SDD or Fast SDD 25 mm
Computer	Integrated computer
Software	Windows CE/Mobile
Quantitative analysis algorithms	Fundamental parameters, empirical calibrations
Dimensions	242 mm x 230mm x 78 mm
Weight	1,4 kg