



Advanced XRF equipment and solutions

---



**INSTANT XRF ANALYSIS RESULTS  
EVERYWHERE AND ANYTIME**

**ProSpector 2**

ProSpector 2 is our time-tested handheld XRF analyzer.

Due to the advanced electronics and state-of-the-art mathematical algorithms, ProSpector 2 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

## ACCURACY

With powerful hardware and unique software algorithms, the ProSpector 2 offers the highest precision and accuracy of elemental analysis for a wide range of materials

## SPEED

Dynamically Adaptive Shaping (DAS) DPP developed by Elvatech combined with the Fast SDD detector makes the ProSpector 2 the fastest handheld XRF analyzer on the market

## STABILITY

Thanks to the digiX-40 digital X-Ray source, automatic temperature and barometric corrections, and digital calibration adjustment, ProSpector 2 offers long-life reproducibility of the analysis without the need to re-calibrate the system



Shock and water resistant carrying case allows you to take the instrument anywhere you need it.



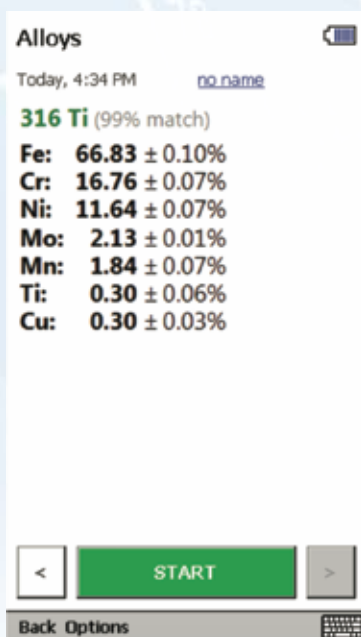
Use a laboratory stand to prevent X-Ray scattering when analyzing small objects or light matrix samples.

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



- ✓ High speed of operation @ above 500 000 CPS count rate
- ✓ Ambient temperature and pressure corrections for highest stability
- ✓ Over 10 hours operation from the battery
- ✓ Detector protection
- ✓ Extensive and editable alloy grade library
- ✓ Protective film replacement with no tool required
- ✓ Full compatibility with ElvaXTM PC software
- ✓ Radiation safety: IR proximity sensor and low count detection

Instant Analysis Results Print-out with a portable Bluetooth printer provides measurement prints at any time, anywhere



ProSpector 2 is a powerful handheld XRF analyzer, designed by Elvatech. Due to the advanced hardware and unique software algorithms, ProSpector 2 provides ultimate speed and accuracy of the elemental analysis. ProSpector 2 combines powerful analytical software toolkit with an easy-to-use interface, allowing even novice operators to perform any necessary measurements in seconds.

### **Digital X-Ray Source digiX-40**

Anode: Rh, W

Voltage: 40 kV

Current: 200 uAmp

Power: 4 W

5 positions filter changer

### **X-Ray Detector**

Type: Fast SDD (optional PIN)

Area: 25 mm<sup>2</sup>

Energy resolution: <140 eV @ 5.9 keV

Count rate: 500,000 cps

### **Electronics**

DPP: proprietary DAS (Dynamically Adaptive Shaping) type,  
80 MHz sampling rate

MCA: 4096 channels

Display: 4.3'

Connectivity: USB, Bluetooth

High resolution video camera (option)

### **General**

Dimensions: 242 x 230 x 78 mm

Weight: 1.4 kg

### **Software**

Operating system: Windows EC7

Analysis algorithms: Fundamental parameters (FPA),

Empirical (regression) calibrations

Elvatech Ltd.

50 Mashynobudivna str.,

Kyiv 03680, Ukraine

Phone: +38 (044) 599-11-43

Fax: +38 (044) 406-65-83

E-mail: [office@elvatech.com](mailto:office@elvatech.com)

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