



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



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

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



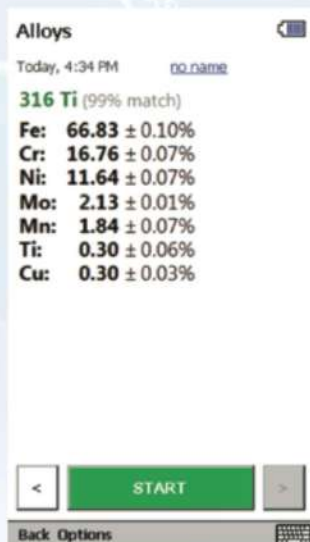
Use a laboratory stand to prevent X-Ray scattering when analyzing small objects or light matrix samples.

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 mm²
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

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