

Instant XRF Results
Everywhere &
Anytime



Advanced XRF equipment and solutions

Elvatech Prospector 2 (General Metal Analyzer)

ACCURACY

With powerful hardware and unique software algorithms the prospector 2 offers the highest precision and accuracy.

SPEED

Dynamically adaptive shaping(DAS) DDP developed by Elvatech combined with the Fast SDD detector makes the prospector 2 the Fastest handheld XRF analyzer.



The Elvatech Prospector 2 is the pioneer model for analysis portfolio. It endorses the simple choice of user-friendly and precision and accuracy in resulting. It is the conclusive device for the many of General metal detection operation such as QA/QC incoming goods verification (PMI), Scrap sorting, Third party metal grades analysis in various industry sectors such as Oil and gas, Engineering industry, Manufacturing/Production companies and scrap recyclers etc. Ergonomically designed with simplicity of features of the device is used to notice the metal alloy grades and elements chemistry in standard color touch screen display. The measuring ranges from CI-U (Can be added optionally).

X-ray Fluorescence (XRF) is the simplest and the most precise analytical method used for material identification. The measurement accuracy of results it gives out impresses. Moreover, the specifications of XRF PMI testing make it one of the most economic methods highly regarded in the commercial sphere. It requires no, or very little, sample preparation

- Fast identification of alloy grade ID for incoming materials
- Sorting of various metallic alloys in scrap recycling industry for value process
- Non-destructive positive material identification (PMI)

STABILITY

Thanks to digiX-40 digital X-ray source, automatic temperature and barometric correction and digital calibration adjustment, the prospector 2 offers long-life reproducibility of the analysis without the need to recalibrate the system.

Features

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

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.

Every described Elvatech XRF metal analyzer is suitable for high-accuracy metal sorting because:

- ProSpectors are the lightest device options on the market
- The machine is also protected from dust and damages
- The instrument has a diverse material list it can detect and identify
- There are cost-effective options

Prospector 2 Specifications	
X – Ray Tube	W, 40 kV
Primary Filters	Single
Collimators	Single
X – Ray Detector	Si – Pin Diode
Detection Range	Cl – U
Camera	No
Temperature correction	Yes
Barometric Correction	No
Bluetooth	Optional
Wifi	No
Ingres Protection	IP54
Dimensions	242 X230 X 78 mm
Weight	1.4 KG
Display	4.3”
Operating System	Windows EC7
Connectivity	USB

Measure #	Fe, %	Cr, %	Ni, %	Mo, %
1	66.81	16.76	11.59	2.13
2	66.81	16.78	11.57	2.13
3	66.82	16.77	11.58	2.14
4	66.85	16.77	11.54	2.13
5	66.84	16.77	11.57	2.13
6	66.81	16.76	11.57	2.14
7	66.82	16.77	11.59	2.14
8	66.85	16.72	11.6	2.13
9	66.84	16.75	11.58	2.14
10	66.8	16.76	11.61	2.13
Average	66.825	16.761	11.58	2.134
Std Dev	0.016	0.011	0.014	0.005
% RSD	0.024	0.066	0.121	0.234

+982165565901

+982144584619

+989034119385

پتروفهان گستر جنوب

FGJ-NDT . IR

DIGINDT . IR