Elvatech

Advanced XRF equipment and solutions



ANALYTICAL POWER OF A FULL-BLOWN LAB IN YOUR HAND

PROSPECTOR 3

www.elvatech.com

ElvaX ProSpector 3 is the next-generation hand-held X-ray fluorescence analyzer. It offers a new level of analysis accuracy, speed and detection limits. ProSpector 3 is the smallest and lightest hand-held XRF on the market with an intuitive and user-friendly software interface.



PRODUCTIVITY
highest accuracy within the shortest measurement time, excellent precision

STABILITY
Excellent calibration stability, compensation of influence of ambient temperature and pressure variations

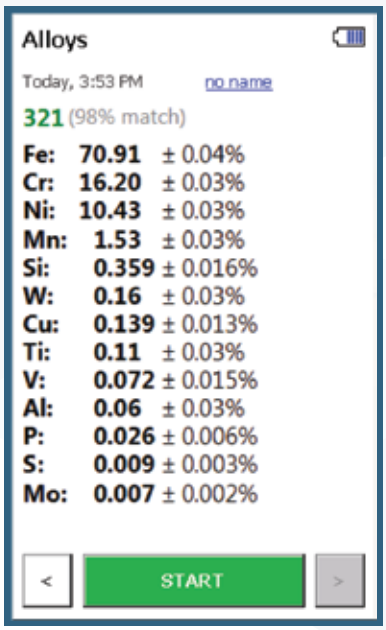
MOBILITY
Small (236 x 193 x 68 mm), and light (1.05 kg) handheld analyzer.

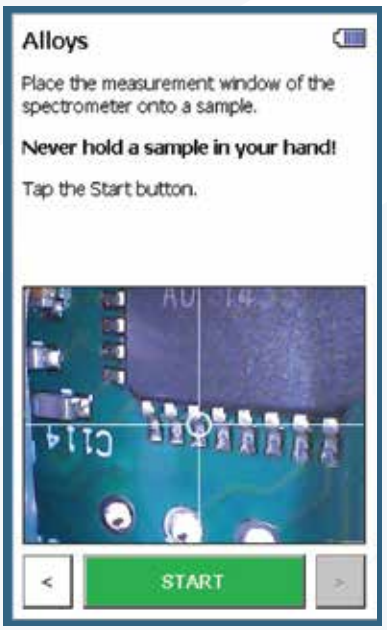
RELIABILITY
Dustproof and waterproof instrument body, with IP-67 protection level.

FUNCTIONALITY
Two CCD cameras for macro- and micro- view combined with an automatic collimator

Bluetooth
Wi-Fi
USB
Micro SD

All interfaced to quick data exchange





ProSpector 3 has the largest touch screen (4.3”) available in hand-held XRF analyzers

Image autorotation lets you operate the analyzer both in the horizontal and vertical position.

The unique design of the folding display allows for convenient operation in the lab stand with no need to use an external PC.



ProSpector 3 is avaible in two bright colors, so they never get lost during Your operations.



500 000 cps

World’s fastest XRF analyzer (more than twice as fast as any other handheld XRF) – highest accuracy within the shortest measurement time, excellent precision

APPLICATIONS

- Positive material identification and scrap sorting
- Alloy analysis
- Ferroalloys
- Jewelry and precious metals analysis
- Mining and geology
- Automotive catalytic converters
- RoHS, WEEE, ELV, Proposition 65 Compliance testing
- Construction materials and minerals
- Refractory materials
- Environmental testing of soils and sediments, water, paints and forensic materials
- Coating thickness

Custom applications are available upon request

General specs

Display: 4.3” LCD touchscreen
Hardware: 1GHz WindowsEC7 based
Demensions: 236x193x68 mm
Weight: 1.05 kg (with battery)
Battery: up to 16 hours
Protection: IP67
GPS: on board
Interfaces: USB, Bluetooth, WiFi, microSD

DigiX-50 X-Ray source

Anode: Rh, Ag
Power: 5 W
Current: 200 uA
Voltage: 50 kV

X-Ray Fast SDD detector

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

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