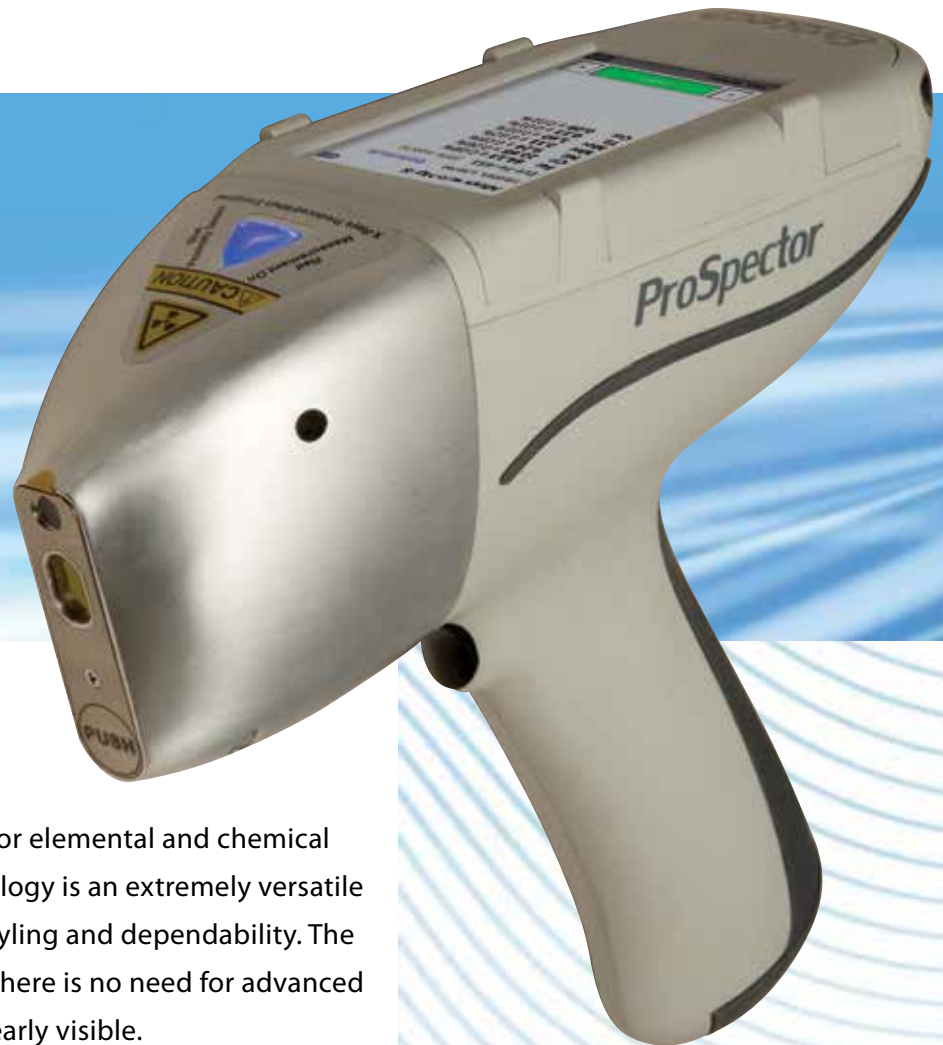


ElvaX ProSpector

EDXRF Handheld Alloy Analyzer



X-ray fluorescence (XRF) is widely used for elemental and chemical analysis in a variety of fields. This technology is an extremely versatile tool because of its portability, rugged styling and dependability. The material being tested is left unharmed; there is no need for advanced sample preparation and readouts are clearly visible.

- Precious and non-precious metal analysis; Gold, Platinum, Silver, Steel and Copper alloys, scrap metals analysis
- Lead and Cadmium determination in jewelry, paint, toys, children's items including furniture and clothing
- Restriction of Hazardous Material (RoHS), WEEE and Proposition 65 Compliance testing
- Applications include; environmental, art & archeological, mining, building material, soil and sediment analysis, etc

Alloy analysis
Mining and geology
RoHS
Scrap sorting
Precious metals analysis
Archeometry
Catalytic converters analysis
Lead in paint analysis
General Laboratory

ElvaX ProSpector

EDXRF Handheld Alloy Analyzer

Xcalibur and Elvatech are proud to introduce The ElvaX ProSpector, the latest XRF system to join our family of portable, Energy Dispersive X-Ray Fluorescence (EDXRF) spectrometer systems. Like all Elvatech products, this portable, handheld EDXRF elemental analysis system is designed to be intuitive and user friendly. The system utilizes a 7.2 Vdc Li-ion battery. Under normal use, it has an operating time of 8 hours before charging is required. The ElvaX ProSpector operates at a high voltage of 40 kV, and has a detectable range of Cl to U. The light element option has a detectable range from Mg to U. All Elvatech products include an applicable computer (or PDA) and software. We also offer on-site installation, full warranty and support for all of our products, available exclusively through Xcalibur XRF Services.

**For more information, contact
Xcalibur XRF Services today at
631.750.3170
www.xcaliburxrf.com**



Aluminum alloy nose-cone casing

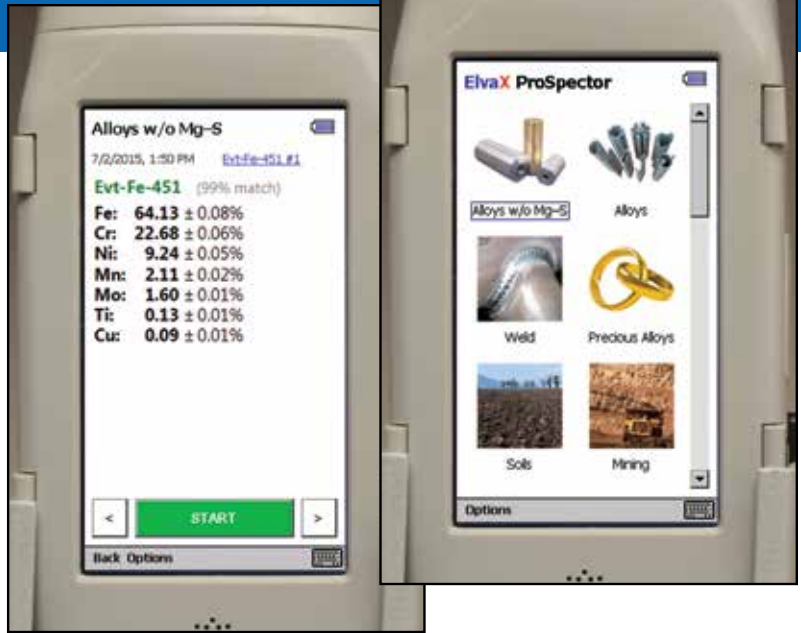
Shock and weather resistant plastic outer casing



Choice of Screen Readouts



"Soft-touch" grip



Technical

X-ray Tube:

- W Target Anode Standard (40kv 200uamp)
- Rh Target Anode for Light element analysis (40kv, 200uamp), Optional

X-Ray Detector:

- Pin Diode 6mm² area, resolution 165eV, 20 – 30 kcps, basic model
- SDD 25mm² area, resolution 145eV, 150kcps, optional and light element system
- Fast SDD 25mm² area, resolution up to 125eV, 300kcps

System Electronics:

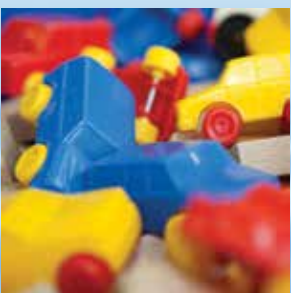
- High Resolution, 4 inch color touch screen, 624 MHz integrated PDA
- Digital Pulse Processor based on 80 MHz DSP
- Digital correction of temperature and pressure variations
- Accelerometer for automatic screen rotation, as shock indicator, and for battery saving
- Automatic Count-rate Adjustment, 4096 channels

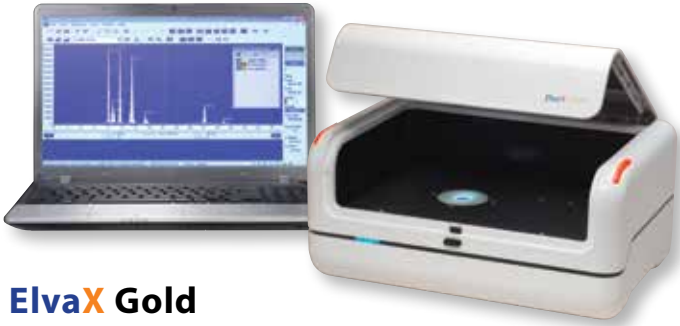
Software/Application Options

- Basic Metals Analysis, standard with all systems
- Welding (with attachment)
- Precious Metals & Dental Analysis
- Soil, Mining & Mining/Oxides
- RoHS Compliance
- Lead in Paint
- Custom Applications are available upon request

Options:

- 5-position filter changer default for light element system, optional on standard system
- Lab & Field Stand
- Weld & Wire Adapter
- Cover for Hot objects
- Scatter Protection Screen
- Printer, Holster





ElvaX Gold

- Standard chamber size 16" x 10" x 7.9", 22 lbs
- Element measurable range Mg (12) - U (92)
- 8 position carousel, optional
- Detector resolution 165 eV @ 5.9 KeV (Fe 55 isotope)
- SDD detector option 145 eV @ 5.9 KeV (Fe 55 isotope)
- X-ray generation 4 – 40kV (0.1 kV steps)
- The ElvaX system has a full array of options to fit a wide range of analytical needs



ElvaX Mobile

- Standard chamber size 16" x 13" x 6.5", 12 lbs
- Element measurable range Mg (12) - U (92)
- Detector resolution 165 eV @ 5.9 KeV (Fe 55 isotope)
- Battery option available 7.2 Vdc Li-Ion, 8 hrs/charge
- X-ray generation 4 – 40 kV (0.1 kV steps)
- 10 ppm detectable concentration for most elements

Xcalibur XRF Services offers a variety of new and reconditioned XRF systems for analysis applications including:

- Children's items, such as painted cribs, high chairs and furniture, jewelry, toys, decorations and books
- Restriction of Hazardous Material (RoHS), WEEE and Proposition 65 including Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs)
- Building materials including cement, treated lumber, drywall testing, plastics contaminants, pvc testing, chrome, photovoltaics
- Mining, scrap metal analysis and ore exploration including Gold, Platinum, Silver, Steel and Copper Alloys
- Environmental, soil & sediment, oil & fluid, and forensics

All equipment includes on-site service support by a team of engineers with many years of solid EDXRF experience. We are one of the leading XRF equipment providers to museums, universities, refining facilities and plating industries, as well as many other related fields. Our firm provides complete on-site support including certification and preventive maintenance services, and repair for many types of XRF equipment. Also available are on-line and phone support capabilities, standards, calibrations and applications for a wide range of EDXRF equipment manufacturers. Check our web site for a full selection of XRF products, services, and more.

For more information on these and other Xcalibur products, contact us today!

