

Rental – Handheld X-Ray Fluorescence Metal Analyzer

Innov-X Alpha Series XRF

The Innov-X tube-based Alpha Series™ takes on-site environmental metals analysis to a new level. It features a miniature, rugged X-ray tube. The Alpha Series™ provides reliable analysis on RCRA, Priority Pollutant metals and other elements in soils, liquids, coatings, etc. Meets EPA Method 6200 for metals in soils, NIOSH Method 7702 for lead in air filters, OSHA Methods OSS1 and OSA1 for lead in surface wipes and air filters.

The Alpha Series XRF is used for a wide variety of on-site environmental analyses. These include in-situ soil analysis for rapid site investigations and remediation projects. Operators may test directly on the ground or through bagged samples. By collecting and preparing soil samples you can achieve laboratory quality results in the field. The Alpha Series™ can be pre-calibrated for filters, coatings, CCA-treated wood and many other sample types.

FEATURES

- Superior performance on Cr and other metals. Light Element Analysis Program (LEAP) analyzes P, S, Cl, K and Ca.
- Utilizes advanced and universal XRF data modeling:
 - Compton Normalization – "Internal Standard" provides for quantitative analysis without site-specific calibrations.
 - Fundamental Parameters – Standardless, ideal for samples with high and low concentrations of several elements.
 - Empirical Calibrations – "Calibration Curves", allows user generated calibration curves.
- Add new elements and calibrations easily. Innov-X analyzers will meet your requirements today and in the future.
- View spectra on screen.
- Compare spectra for comparative analysis and display results versus standards.
- Stored tests can be re-run with new parameters or models.
- Data Security: stored in binary format for data integrity.



SPECIFICATIONS

Weight	2.625 lbs. (base wt.) 3.375 lbs (1.6 kg) with batteries.
Excitation Source	X-ray tube, W anode, 10-40 kV, 10–50 µA, up to 5 selectable filters.
LEAP	Delivers industry-leading detection limits on critical elements Cr, Cl, P, Ba, Ti, S, Ca, K.
Detector	Si PiN diode detector, < 230 eV FWHM at 5.95 keV Mn K-alpha line. Temperature Range: -10°C to +50°C.
Operation	Trigger or Start/Stop Icon. One-touch trigger or "deadman" trigger option. Optional control from external PC.
Power	Li-ion batteries, rechargeable (charger included). Powers analyzer and iPAQ simultaneously. AC Adapter optional.
Battery Life	8 hours (typical duty cycle) using built-in, optional multiple battery pack.
Standard 21 Elements	Pb, Cr, Hg, Cd, Sb, Ti, Mn, Fe, Ni, Cu, Zn, Sn, Ag, As, Se, Ba, Co, Zr, Rb, Sr, Mo.
Display Screen	Color, high resolution touchscreen. Variable brightness provides easy viewing in all ambient lighting conditions.
Data Display	Concentrations in ppm, spectra, peak intensities (count rate) or user-specified units, depending on software mode selected.
Memory, Data Storage	128 Mb standard memory. 20,000 test results with spectra, upgrade to >100,000 with optional 1 Gb flash card.
Processor	Intel 400 MHz StrongArm processor or higher.
Operating System	Microsoft Windows CE (portable system) or Windows (PC-based). Software Modes: Soil, Filter/Wipes, Empirical. Others available upon request.

CALL GEOTECH TODAY (800) 833-7958

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