

VACUUM OPTION

Now also measure Mg, Al, Si and P

PORTABLE XRF ANALYZER

The world's smartest Handheld XRF got even smarter!

Measure Mg, Al, Si, P and 20+ other elements simultaneously in alloys, powders, ores, liquids and more

- » No Helium gas or compressed tanks to lug around!
- » No vacuum pumps to wear or attach!

REVOLUTIONARY, PATENT-PENDING INTERNAL VACUUM TECHNOLOGY FROM INNOV-X

An atmosphere-free zone is created between the sample and detector, uniquely designed for fast, repeatable measurements of the very weak x-rays from light elements such as Mg, Al, Si and P.

- » Just connect the vacuum pump for 20 seconds, disconnect and begin testing!
- » The Smart Software automatically optimizes testing conditions
- » And the internal vacuum is maintained for hours at a time!



NOW

12 Mg Magnesium 24.3050	13 Al Aluminum 2.70	14 Si Silicon 28.0855	15 P Phosphorus 30.973762
---	-------------------------------------	---------------------------------------	---



VACUUM OPTION

Point-and-shoot analysis now extends to Mg, Al, Si and P!

The Innov-X vacuum option creates an atmosphere-free zone between sample and detector, uniquely designed for fast, repeatable measurements of the very weak x-rays from elements Mg, Al, Si and P.

Revolutionary, patent-pending internal vacuum technology from Innov-X

- » Just connect the vacuum pump for 20 seconds, disconnect and begin testing!
- » The Smart Software automatically optimizes testing conditions
- » And the internal vacuum is maintained for hours at a time!

Al ALLOYS

Measure Mg in 5000 series, separate Mg containing aluminum alloys from other low coppers such as 6063, 1100.

TITANIUM ALLOYS

Determine Al content in Ti alloys including CP Ti with tramp Al.

RED METALS

Accurately classify Si, Al bronzes with direct measurement of Al and Si percentages. Also: Improved Cu analysis.

CAST STAINLESS, HIGH-TEMPS

Measure Si in cast stainless and other alloys.
Measure Al in many high-temp, Ni/Co superalloys.
Al content in Monel.

Start with our multiple beam energies, superior speed & ergonomics; and life-time upgrade path – 100% Backwards Compatible! Innov-X Systems adds to this winning combination:

- » Superior excitation for elements lighter than Sulfur (Mg, Al, Si, P).
- » Resulting in the most capable, convenient, flexible hand-held design ever!
- » Any Innov-X handheld may be upgraded

ADDITIONAL SPECIFICATIONS

Weight: 2.625 lbs. (base wt.) 3.375 lbs. (1.6kg) with batteries.

X-ray Source: X-ray tube, Mo anode, up to 40 keV, up to 80 micro amps, up to 5 filter positions.

Detector: Si PiN diode detector, < 180 eV FWHM at 5.95 keV Mn K-alpha line. Temp Range: -10°C to +50°C.

Operation: One-touch trigger or "deadman" trigger option. Optional control from external PC.

Power: Li-ion batteries, rechargeable (charger included). Powers analyze and iPAQ simultaneously. AC Adapter optional.

Battery Life: 8 hours (typical duty cycle) using built-in; optional multiple battery pack.

Vacuum Life: Vacuum Charge lasts an average of 6 hours (4 to 8 hours typical) - recharge in less than 1 minute.

Number of Elements: Standard package includes 21 elements plus Mg, Al, Si and P. Customer may specify 4 additional, or use multiple suites of 25 elements each.