

The New Standard in Portable Metals Analysis



The world's smallest, fastest, and easiest to use tools for lead and other metals analysis

Lower detection limits – better site characterization

Immediate results – fastest analytical time of any method anywhere

Automatic correction – for all site conditions

Applications

- Lead-based paint, dust wipe, soil analysis
- Airborne metals analysis – OSHA compliance, TSP
- Remediation monitoring
- Emergency response
- Metals in soil and coatings analysis
 - Up to 25 elements, including all 8 RCRA elements



Wireless 
Communication

The NITON XLi Series – The ultimate in portability with a variety of excitation options

The NITON XLt Series – Complete with miniaturized X-ray tube for minimal regulatory requirements

Ask us about our ETV results for dust wipes



XLt



XLi



NITON
THE LEADER IN PORTABLE XRF TECHNOLOGY

Weight	XLi 1.7 lbs (0.8 kg) XLt 3.0 lbs (1.4 kg)
Dimensions	XLi 11.5 x 3.5 x 3.0 inches (292 x 89 x 76 mm) XLt 9.75 x 10.5 x 3.75 inches (248 x 273 x 95 mm)
Excitation Source	XLi <i>Primary</i> 241Am Maximum 30mCi (1,110 MBq) – Infiniton, or 109Cd Maximum 40mCi (1,480 MBq) <i>Secondary</i> 241Am Maximum 14mCi (520 MBq) and/or 55Fe Maximum 20mCi (740 MBq) XLt Miniature x-ray tube and power supply (40kV/50uA maximum)
X-ray Detector	High-performance Si-PIN detector, Peltier cooled.
System Electronics	Hitachi SH-4 CPU ASICS high-speed DSP 4096 channel MCA
Batteries	(2) Rechargeable Lithium-ion battery packs with Quick-swap capability. 6–12 hour (maximum depends on platform and duty cycle), 2 hour recharge cycle.
Display	1/4 Backlit VGA touch screen LCD
Analysis Range	Up to 25 Standard elements in the range Ti(22) to Pu(94) Some Nonstandard in-range elements available at additional cost.
Testing Modes	Bulk Sample Mode Thin Sample Mode, including Dust Wipe mode, 37mm Filter mode, User-Defined Thin Sample mode
Data Storage	Internal: 3000 readings with x-ray spectra (maximum)
Standard Accessories	Soil Sampling Kit/Thin Sample Kit (varies by model and configuration) Lockable, shielded waterproof carrying case Shielded belt holster Spare lithium-ion battery pack with holster 110/220 VAC battery charger/adapter PC interface cable NDT® (NITON Data Transfer) PC software Safety Lanyard Check/verification standards Integrated barcode scan engine for rapid/reliable entry of sample information
Training	U.S. – Call 1-800-875-1578 for schedule of no-cost radiation safety training in your area. Outside U.S. – Please contact your local NITON representative for training information

Headquarters

NITON LLC
900 Middlesex Turnpike, Bldg. 8
Billerica, MA 01821 USA
Phone: 978-670-7460
Toll Free (US): 1 800-875-1578
Fax: 978-670-7430
Email: sales@niton.com

Western Office

NITON LLC
63356 Nels Anderson Rd.
Suite 2, Bend, OR 97701 USA
Phone: +1 541-388-0779
Toll free (US): 877-255-6943
Fax: +1 541-388-1003
Email: info@niton.com

Niton Europe

Niton Europe GmbH
Joseph-Dollinger-Bogen 9
80807 München
Germany
Phone: +49-89-36 81 38-0
Fax: +49-89-36 81 38-30
Email: europe@niton.com