





Which analyzer for your application?

Niton handheld XRF analyzers are built for rugged use and deliver rapid, lab-quality results

Analyzers	Niton XL2 100G	Niton XL2 Plus	Niton XL3t GOLDD+	Niton XL5 Plus
				
Features				
Description	<ul style="list-style-type: none"> • Robust, reliable value analyzer • For analysis of metal & alloys (Ti to Bi) 	<ul style="list-style-type: none"> • Standard analyzer with some light element capabilities (Mg-Bi) • Wide-ranging analytical capability for metals & alloys, precious metals, mining, soil and plastics 	<ul style="list-style-type: none"> • Versatile analyzer well-suited for analysis of both heavy and light elements 	<ul style="list-style-type: none"> • Elite, state-of-the art handheld XRF analyzer • Best in class limits of detection for light and heavy elements
	<ul style="list-style-type: none"> • Basic alloy ID • Sorting stainless steel and non-ferrous scrap metals 	<ul style="list-style-type: none"> • Enhanced scrap metal sorting including lightweight alloys • Basic PMI (API RP-578) • Alloy QA/QC 	<ul style="list-style-type: none"> • Most metal and alloy analysis • Automotive catalyst analysis • Mining grade control and environmental analysis • Regulatory analysis 	<ul style="list-style-type: none"> • Advanced PMI (API RP-571, API RP-939-C, flow accelerated corrosion) • Aluminum sorting • Coating thickness measurements • Mining exploration and detection of trace metals in ores
Weight	3.5 lb (1.6 kg)	3.5 lb (1.6 kg)	3.5 lb (1.6 kg)	2.8 lb (1.3 kg)
X-ray tube power Heavy element detection (Sb, Pb, Sn, Cd)	38kV – 2W	45kV – 2W	50kV – 2W	50kV – 5W
Detector technology Light element analysis (Mg-S) / overall performance	Si-PIN	SDD with graphene window	SDD	Large SDD with graphene window
ProGuard detector protection		✓		✓
Communication	BT, USB	BT, USB	BT, USB	BT, USB WiFi
Added features			Tilt screen, GPS	Tilt screen, GPS, Hot swap battery
Camera/display Micro camera for precise positioning; macro camera for full sample imagery		Micro	Micro	Micro + Macro
Small spot sample positioning Isolate welds and very small samples	Weld mask	Weld mask	3mm collimator	3mm collimator

