

Which Niton Analyser is right for me?

Handheld XRF and LIBS Analyser Selection Guide

							
	Niton Apollo	Niton XL5	Niton XL3t GOLDD+	Niton XL2 Plus	Niton XL2 100G	Niton DXL	Niton XLp
Analytical Specifications							
Technology	LIBS	XRF	XRF	XRF	XRF	XRF	XRF
Analytical Source	1064nm laser, charge coupled device (CCD)	5W x-ray tube, silicon drift detector (SDD)	2W x-ray tube, silicon drift detector (SDD)	2W x-ray tube, silicon drift detector (SDD)	2W x-ray tube, Si-PIN detector	2W x-ray tube, Si-PIN detector	Cd-109 isotope, CdTe & Si-PIN detectors
Elemental Range ¹	C, Al, Si, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Nb, Mo, W	Mg-U (ultra low light element detection)	Mg-U	Mg-U	Ti-Bi	Ti-Pb	Pb
Spot Size	50 µm standard	8 mm standard 3 mm optional	8 mm standard 3 mm optional	8 mm standard	8 mm standard	8 mm standard 3 mm optional	N/A
Instrument Specifications							
Weight ²	6.4 lbs.	2.8 lbs.	3.4 lbs.	3.4 lbs.	3.4 lbs.	17 lbs.	3.0 lbs.
Dimensions	12.0 x 13.0 x 4.0 in.	9.5 x 8.2 x 2.7 in.	9.6 x 9.0 x 3.8 in.	10.0 x 10.8 x 4.0 in.	10.0 x 10.8 x 4.0 in.	15.6 x 8.1 x 10.4 in.	9.8 x 10.5 x 3.8 in.
Memory Readings Capacity ³	< 130,000	< 130,000	< 10,000	< 10,000	< 10,000	< 10,000	< 10,000
Features							
Display Screen	Tilting	Tilting	Tilting	Fixed Angle	Fixed Angle	Fixed Angle	Stationary
Touchscreen/ Directional Keys	✓	✓	✓	✓	✓	✓	✓
Micro Camera	✓	✓	✓	✓	✓	✓	
Macro Camera	✓	✓					
Bluetooth ⁴	✓	✓	✓	✓	✓	✓	✓
GPS	✓	✓	✓				
WiFi	✓	✓					
Hot Swap Battery	✓	✓		✓			
Splash + Dust Proof (IP54 Rated)	✓	✓		✓	Coming Soon!		
Detector Protection	N/A	Coming Soon!		✓			

This table is non-exhaustive and details best sellers from the Niton XRF and LIBS product lines. Instrument specifications and applications vary by model type. Additional calibrations and configurations are available. Speak with a sales representative to learn more.

1. Elemental range dependent upon selected calibration modes. 2. Displayed weight includes battery. 3. Includes spectra. Fewer readings can be saved if macro/ micro images are included. 4. Enables connection to PC, printer, barcode reader, and external GPS.

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