

Lab-X3500 Specification

Element range	Magnesium to Uranium.
Number of elements	Up to ten elements can be measured simultaneously and ten segments specified.
Concentration range	ppm to 100%.
Sample form	Solids, liquids, powders, pastes, granules, films, filter papers etc.
Sample size	Liquids and powders 20ml, solids 26-40mm(1-1.5") diameter when using Oxford Instruments sample holder. NB: Optional sample port 52mm(2") diameter.
Sample holders	Liquids/powders: Unique Oxford Instruments sample cells with disposable inners.
Sample loading	Automatic motorised turntable as standard. Options: (i) 12 position autosampler (no additional bench space required) <i>and/or</i> (ii) Sample spinner for accurate measurement of inhomogeneous samples.
Analysis time	User selectable, typically 10-200 seconds, and "instantaneous" results displayed on in-built display, dependent on application.
X-ray excitation	X-ray tube 8kV or 25kV (maximum 1 Watt). Programmable excitation conditions from 4kV and 5µA. Target optimised for application. Pd standard.
X-ray detection	Sealed gas filled proportional counter.
Focus 5 Spectral Enhancer	Unique patented " Focus 5 " technology allowing programmable elemental detection.
Data processing	In-built micro processor, and multi-channel analyser.
Software	Resident Analytical Software Package (ASP3000) includes facility for simple routine operation, restandardisation, qualitative and full quantitative analysis, includes comprehensive X-ray correction models. Option: PC software with ability to store results, monitor QC check sample, display spectrum scans, regressions, downloading of calibrations etc.
Display	40 column, 2 line vacuum formed display (VFD).
Printer	40 column, 2 colour, plain paper dot matrix printer, with graphics capability.
Power requirements	100, 120, 220, 240 V ac, 50/60Hz. Consumption 85 VA maximum.
Dimensions and weight	Width 457mm (18") Depth 575mm (23") Height 200mm (8") Weight 16kg (36lb)