



ATLAS

X

μ XRF



UNPARALLELED MICRO-XRF PERFORMANCE





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μXRF

The ATLAS™ X Micro-XRF spectrometer (μXRF) from IXRF Systems introduces a new world of x-ray mapping and automation. The ATLAS™ X boasts the largest chamber volume and detection area (150mm²) as well as the smallest spot size (5μm) available on the market. Additionally, the ATLAS™ X is complimented by the most comprehensive software suite including multi-point analysis, unattended automation, in-depth feature/image analysis, unprecedented mapping and reporting features, and much more. Instrument may be operated under air or vacuum as well as Helium flush for liquids and light element analysis.

PRODUCT FEATURES

- ① Spot Size down to 5 microns with anti-halo optic
- ② Dry Detector Active Area up to 150mm²
- ③ Largest Chamber Volume
- ④ 50kv/50 watt tube
- ⑤ Multipoint/Multi-Area Automation & Mapping
- ⑥ Air, Vacuum, Helium for solids, liquids, and powders

ATLAS X TECHNICAL SPECIFICATIONS

Sample Types	Solids, Liquids, Particles, Powders
Sample Chamber Size	37x26x14in (950x650x365mm)
Measurement Media	Air, Vacuum, He
Excitation Source	Primary Secondary
Excitation Parameters	50W / 50kV / 1mA 4W-12W / 40kV-60kV / 0.4mA-1mA
Target Materials	Polycapillary or Aperture Collimation Rh (others available)
Tube	50kV, 50W, 1mA (optional 2nd tube)
Spot Size	≥5-1000μm
Filters	Up to 8
Geometry	Top-down Beam (Perpendicular)
Detector (s)	SDD (Si-Pin upon request)
Resolution	130-145eV
Active Area	30-150mm ²
Stage	Motorized X,Y,Z (available) Up to 600x300mm ranges available
Sample Travel	Total Mapping Map Scan Speed Sample Speed
	600x300x150mm 400x300mm 1-3ms/pixel up to 300mm/second
Sample View	Three Sample Positioning and Analysis Cameras
Instrument Control	PC; Windows 10 Complete control of parameters, filters, cameras, optical microscopes, sample illumination and positioning, and measurement media
Power	100-240 V, 50/60 Hz
Certifications	CE, RoHS, Radiation
Element Range	Na-U
Dimensions	67x31x64in (1690x787x1630mm)
Quality and Safety	CE certified RoHS, Radiation < 1 μSv/h



Quantum-RX
Espace Technologique - Gemini II
91190 Saint-Aubin - France

info@quantum-rx.com
https://quantum-rx.com
+33 (0)1 60 12 26 94

