

The Elva X (Art) is a remarkable new Mini EDXRF instrument designed specifically for 1

Measurement Capabilities

Detectable range	Cl (17) – Pu (94)
Optional light elements range	Mg (12) – S (16)
Detectable concentration	below 10 PPM for most elements in a light Matrix

Chamber

Beam size	0.2 mm to 4 mm, manual
Dimensions	174 x 143 x 172 mm
Weight	2.5 kg
Power Supply	100 – 240 volt ac 50/60 Hz, 50 Watts Max Power Consumption
Video Screen	TFT LCD screen size is 5", 10x magnification
Data Acquisition time	10 – 1200 sec.

X-Ray Generation information

W target anode, 250 um Be window, (optional Ag anode 125 um Be window for improved light elements sensitivity)

X-Ray tube, air cooled

4 – 40 kV (adjustable in 0.1 kV steps), Tube

Current 0 – 100 uA (0.2 uA steps) 5 W max

X-Ray Detection

Si – Pin Diode (optional SDD), Thermoelectrically cooled

Detector resolution 160 eV; Mn (<140 eV for SDD)

Be 12 um window



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