



MOXI™ Magnum 50kV Source

The Moxtek *MOXI™* MAGNUM (50kV 4W) X-ray Digital Source gives the most accurate and repeatable analytical results available today. The new digital power supply coupled with the reliable Magnum x-ray tube are combined as a X-ray source that is designed specifically for the next generation handheld market. MOXI has exceptional voltage accuracy ($\pm 0.25\text{kV}$) across the temperature range 0°C to 45°C .

Features	Benefits
Small, compact design	Close coupling of detector/ source
Lightweight	Reduces weight of the XRF instrument
Stable output across all high voltage settings	High Precision of measurements, low detection limits
Rh target and high emission current at low kVs	Improved light element detection limits and precision
High x-ray output	Short sampling time
Small spot size	Small sampling area on the sample

Applications

- Handheld XRF
- Imaging

Ordering Information

Target	Part Number
Ag	TUB00190-AG1
W	TUB00190-W01
Au	TUB00190-AU1
Pd	TUB00190-PD1
Ag	TUB00190-AG2
Rh	TUB00190-RH2
Rh	TUB00190-RH3

Specifications

Tube type:	Metal-ceramic
Operating Temperature:	-10° to $+60^{\circ}$ C
Storage Temperature:	-30° to $+80^{\circ}$ C
Cooling:	Forced air
Weight:	310g (typical)
Available Targets:	Ag, W, Au, Pd, Ag, Rh
HV Polarity:	Grounded anode
High Voltage Potential:	5 to 50kV
Beam Current:	5 to 200 μA
Maximum Power:	4 Watts (100% on time)
Focal Spot Size:	Typical $\sim 800\mu\text{m}$
Window:	Beryllium
Input Power:	+9 VDC
High Voltage Accuracy	$\pm .25\text{kV}$ 0°C to 45°C
Standard Warranty:	One year

