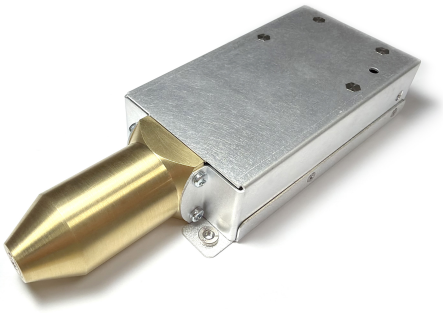
MOXI™ MAGNUM 50kV Source

X-ray Sources Datasheet



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 (± 0.25kV) 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

Tube type: Metal-ceramic
Operating Temperature: -10º to +60º C
Storage Temperature: -25º to +80º C
Cooling: Conduction
Weight: 380g (typical)
Available Targets: Ag, Rh, W

X-ray Tube Characteristics

HV Polarity: Grounded anode
High Voltage: -5 to -50kV
Beam Current: 5 to 200µA
Total Power: 4 watts (100% on time)
Focal Spot: 800µm (typical)
Window: Beryllium 0.125mm or 0.250
Battery Input Power: +9 VDC
High Voltage Accuracy: ± .25kV 0°C to 45°C
RoHS Compliant: RoHS3
Standard Warranty: 1 year or 2000 operating hours

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