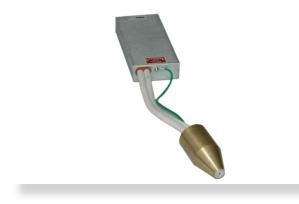
40kV MAGNUM® Cabled

Cabled end-window sources



TUB00045 40kV MAGNUM® cabled end-window

Applications

- X-ray imaging (CT), fluorescence (XRF) and diffraction (XRD)
- Metal and alloy sorting
- Material structure properties
- Mining and geology
- Environmental analysis
- Lead in paint
- Regulatory (RoHs and WEEE)
- Art and archaeometry
- Small animal imaging
- Security and radiographic inspection

MOXTEK manufactures low-power, miniature X-ray sources for a variety of applications including handheld and benchtop instruments. MOXTEK sources are small, lightweight, and can be integrated into custom enclosures. MAGNUM® X-ray 40 kV source produces high output with a small spot size.

MECHANICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Available targets: Ag, Rh, W (equipped with Be window)
HV polarity: grounded anode
High voltage: 4 kV to 40 kV
Beam current: 5 µA to 100 µA
Maximum power: 4 W
Stability: <1.0% RSD
Input power: 7-12 VDC
Focal spot: 500 μm to 800 μm (typical)
Average lifetime: 2000 operating hours

Source Controller Option

FTC-200 Controller (separately sold item). Source can also operate using analog DC signals.

OTHER FEATURES

- Tube potted in a brass shield
- High voltage power supply
- Standard high voltage wiring length of 292 mm (customizable upon request)
- High voltage insulation-silicone potting



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