

# 50kV MAGNUM® ULTRA-LITE

Monoblock ultra-lite side- and end-window sources



TUB00125 50 kV ULTRA-LITE MAGNUM® 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 50kV MAGNUM® ULTRA-LITE are the smallest and lightest X-ray sources available on the market, both available in a side-window and end-window configuration specifically designed for "state of the art" handheld instruments.

### MECHANICAL SPECIFICATIONS

Tube type: metal-ceramic
Cathode type: tungsten filament
Operating temperature: -10°C to +60°C
Storage temperature: -30°C to +85°C
Cooling: conduction
Weight: 250 g

### TECHNICAL SPECIFICATIONS

Available targets: Ag, Rh, W (equipped with Be window)
HV polarity: grounded anode
High voltage: 4 kV to 50 kV
Beam current: 5 µA to 200 µA
Maximum power: 4 W
Stability: <1.0% RSD
Input power: 6-18 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 potted on an aluminum shell
- High voltage insulation-silicone potting