

# X-RAY Tubes



## FTC-200 X-Ray Tube Controller



*Back view*

### Applications

#### X-ray Imaging

- Medical/Dental
- Material ID
- Security

#### Non-destructive testing

#### X-ray-Fluorescence

#### X-ray-Diffraction

The FTC-200 tube controller powers, controls, and monitors both the MOXTEK BULLET™ and MAGNUM® miniature x-ray tubes. The FTC-200 controller provides input power to the high voltage power supply and allows the operator to adjust the high voltage and emission current settings on the x-ray tube. This controller monitors and displays the power settings applied to the x-ray tube.

Features	Benefits
Liquid Crystal Display (LCD)	Displays monitor values for HV, firmware version, power supply information, and tube operating parameters
“Set Point” button	Control the HV voltage
“HV Enable”	Provides capability to interlock to test chamber or to remotely control electronics
“Filament Ready” LED	Provides a 5-volt output for triggering detector or shutter electronics
“X-rays On” safety light feature	Indicates when x-rays are being generated
AUX Tube Connector	Interlock Control, External X-ray Lamp Control, Tube AUX Power



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## Mechanical Specifications

- Power Supply Bias: 0V to  $\pm 250$ V  
Input Power:  $\pm 15$ V and  $\pm 5$ V  
Operating Temperature:  $-10^{\circ}$  to  $+50^{\circ}$  C  
Storage Temperature:  $-40^{\circ}$  to  $+60^{\circ}$  C  
Weight: 1 lb. (450g)

## Ordering Information

### Part Number

TUB00051-1 FTC-200 Controller (HV Control: -4 to -40 kV; Emission Current: 0 to 100  $\mu$ A)

TUB00051-2 FTC-200 Controller (HV Control: -10 to -50 kV; Emission Current: 0 to 200  $\mu$ A)

*Please contact MOXTEK for price and delivery information.*

## Included with Controller:

- FTC-200 Tube Controller



- External Power Supply with Interface cable



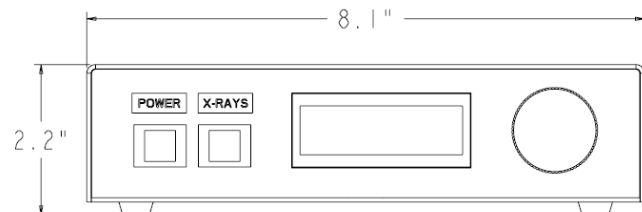
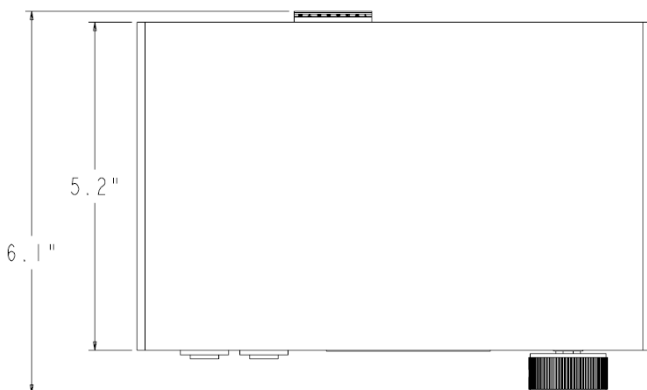
- DB9 Extension Cable (For connection to the x-ray tube)



- User instruction manual



## FTC-200 Tube Controller Drawing



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