



Front View



Back View

Applications

X-ray Imaging

- Medical / Dental
- Security
- Material ID

Non-destructive testing

X-ray Fluorescence

X-ray-Diffraction

The FTC-200 Source Controller powers, controls, and monitors all Moxtek® MAGNUM® miniature x-ray sources. 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 source.

This controller monitors and displays the power settings applied to the x-ray tube. The FTC-200 Source Controller is robust & reliable, capable of operating all “analog input” tube power supplies currently available at Moxtek.

Features

Benefits

Liquid Crystal Display (LCD)	Displays monitor values for HV, firmware versions, power supply information, and source operating parameters
“Set Point” button	Control the HV
“HV Enable”	Provides capability to interlock the test chamber to remotely control electronics
Computer control capability using RS232 connector	Provides a 5 volt output for triggering detector or shutter electronics
“Filament Ready” LED	Indicates when x-rays are being generated
“X-rays On” safety light feature	Interlock control, external x-ray lamp control, tube AUX power
AUX source connector	
Programmable from 7V to 14V @ 3A	
Programmable for operating all analog input power supplies currently available at Moxtek	
Displays source power supply type	
Displays current source status voltage /current monitor and set point	

Mechanical Specifications

Power Supply Bias: 0V to ±250V

Input Power: +/-15V and +5V

Operating Temperature: -10° to +50° C

Storage Temperature: -40° to +60° C

Weight: 1 lb. (450g)



Ordering Information

Part Number

Controller Options

TUB00051-1

FTC-200 Controller (HV Control: -4 to -40kV; Emission Current: 0 to 100 μ A)

TUB00051-2

FTC-200 Controller (HV Control: -10 to -50kV; Emission Current: 0 to 200 μ A)

Included with Controller



FTC-200 Tube Controller



External Power Supply with Interface cable

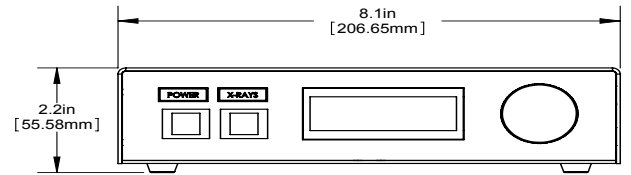
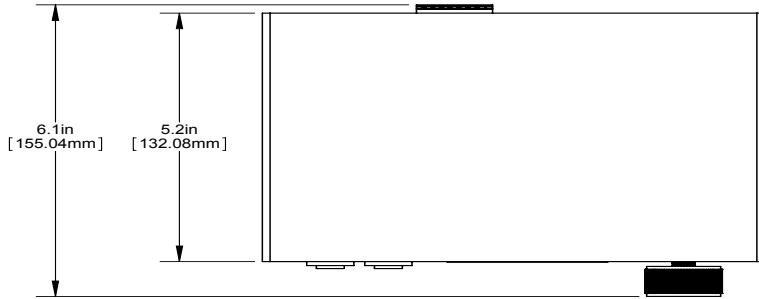


D89 Extension Cable (For connection to the x-ray tube)



User instruction manual

FTC-200 Source Controller Drawing



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TUB-DATA-FTC200, Rev C
Subject to technical change without notice