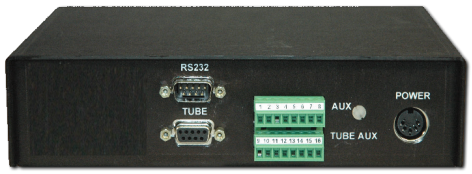
FTC-200 X-ray Source Controller

Datasheet

Front View



Back View

Applications

For controlling all Moxtek 40kV and 50kV X-ray Sources

The FTC-200 Source Controller powers, controls, and monitors all Moxtek® 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	
"HV Enable"	Control the HV
Computer control capability using RS232 connector	Provides capability to interlock the test chamber to remotely control electronics
"X-rays On" safety light feature	Provides a 5 volt output for triggering detector or shutter electronics
AUX source connector	Interlock control, external x-ray lamp control, tube AUX power
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)

MOXTEK®

Ordering Information

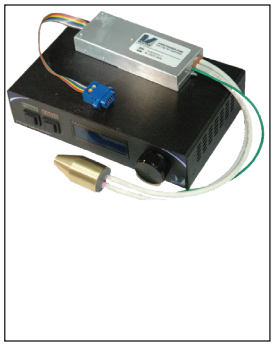
Part Number	Controller Options
FTC00200-4	Controller for 40kV source
FTC00200-5	Controller for 50kV source

Included with Controller

FTC-200 Tube Controller

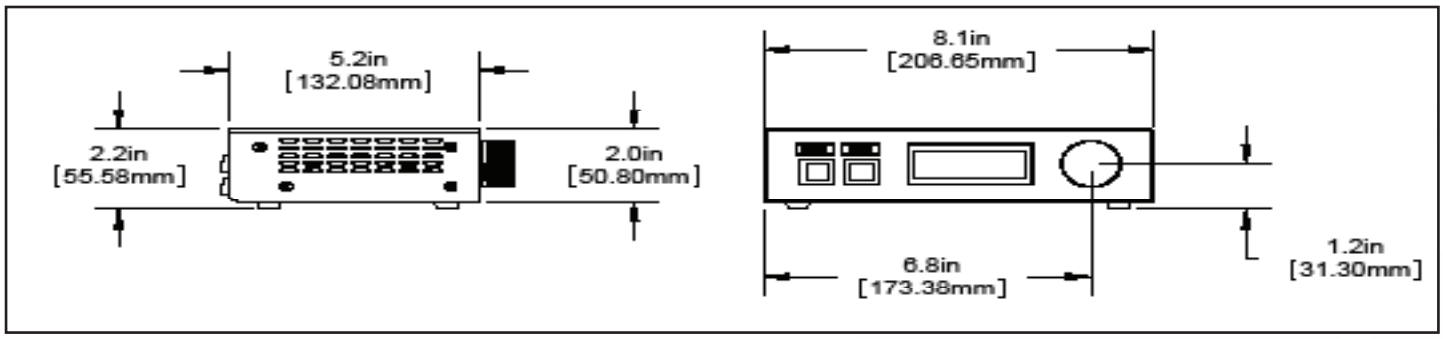
External Power Supply with Interface cable

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



User instruction manual

FTC-200 Source Controller Drawing



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