

X-RAD 160C and 225C

Biological Irradiators for Science and Industry

Self-contained variable output x-ray irradiation system for high or low dose radiation studies.



The **X-RAD 160C** and **225C** irradiators provide the same output and performance as the larger X-RAD 160 and 225 units, but with a more compact x-ray irradiation chamber designed for installations where space is limited.

The **X-RAD C Series** are totally self-contained units featuring an irradiation chamber with adjustable specimen shelf and filter station to provide an ultra stable and uniform X-ray beam easily configured by users for specific applications.

The X-RAD C control is designed for ease of operation with all x-ray parameters and system status clearly indicated on a graphical user interface. The user programmable exposure settings allow for fast, repeatable set-up, and with an output adjustable from 5kV to maximum kV, provides total flexibility in high and low dose irradiation studies.

PXI uses only the highest quality X-ray components in our products providing you long-term reliability and beam stability.

Applications include:

- ◆ Small animal research ◆ Cancer research
- ◆ Feeder cell production research
- ◆ Cells and cultures research
- ◆ Irradiation and sterilization studies



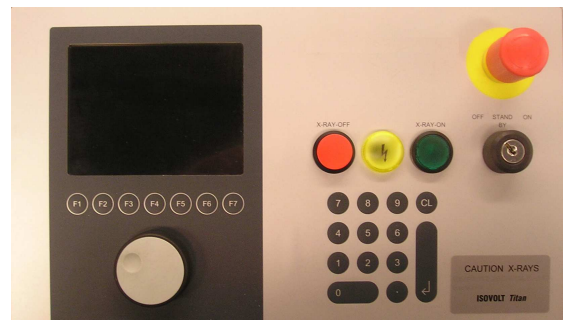
For further information contact:

Precision X-Ray, Inc.

198 Commerce Street. East Haven, CT 06512 USA

Telephone: (203) 468-5294. Fax: (203) 468-5423

Email: sales@pxinc.com



X-RAD Series C Control

X-RAD C Series Specifications

Cabinet Size and Weight

Overall dimensions – 39”W x 29”D x 73”H
Irradiation Chamber – 15”W x 15”D x 26”H
Weight – 1180 lbs.

Power

220 VAC $\pm 10\%$, 50 Amp, 50/60Hz Single Phase or
400/230 $\pm 10\%$, 50/60Hz Three Phase
High Voltage Generator
Max kV – 160/225kV
Max mA – 45mA
Max power – 3.5kW limited by tube specifications
Insulation – Oil (no PCBs)

Tube Voltage

Preselection and setting – 5 to max kV in 0.1 kV increments
Digital display of set and actual values - Simultaneous 4 digits each
Display resolution – 0.1 kV
Accuracy - $< \pm 1\%$
Reproducibility - $< \pm 0.01\%$ at constant temperature
High Voltage ripple - 6V/mA

Tube Current

Preselection and Setting – from 0.1 to max mA in 0.1 mA increments
Digital display of set and actual values – simultaneous 3 digits each
Display resolution – 0.1 mA
Accuracy - $< 1\%$
Reproducibility - $< 0.01\%$ at constant temperature level

Exposure Timer

Switchable between timer and continuous mode
Preselection and setting – from 0.1 second to 99.9 minutes
in 1 second increments
Pre-warning time – adjustable from 0 – 250 seconds

Programmable mode

250 programmable settings allows retention of kV, mA
and time parameters for easy user recall and set-up

Automatic warm-up

Intelligent tube conditioning



For further information contact:

Precision X-Ray, Inc.

198 Commerce Street. East Haven, CT 06512 USA

Telephone: (203) 468-5294. Fax: (203) 468-5423

Email: sales@pxinc.com