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Radiation detection and measurement - Nuclear System

Since an x-ray must essentially be created by the de-excitation of a single electron, the maximum energy of an x-ray emitted in a tube operating at a potential of 195 kV must be 195 keV. Therefore, we can use the equation E=hν, which is also E=hc/λ, or

Glenn F. Knoll-Complete Solutions Manual to Radiation ...

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Radiation Protection | US EPA

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Radiation dosimeters based upon ionization chambers have two basic components: the detector chamber which produces electrical charge when irradiated and an associated electrometer, which is an electronic amplifier to which the chamber is connected which is designed specifically for the purpose of measuring charge. The response of the dosimeter represents the response of the chamber to radiation together with the accuracy and consistency of the electrometer in measuring the charge.

Radiation detection and measurement | Radiology Key

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Radiation Detection FAQs | Thermo Fisher Scientific - US

Contains solutions to odd-numbered problems from the textbook by Glenn Knoll, Radiation Detection and Measurement, 4th edition, as well as solutions for additional Supplemental Problems, developed by David Wehe.

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