



The advanced PEN direct reading dosimeters are rugged, precision instruments. They are higher quality and have greater reliability than other dosimeters of this type. They measure and directly read, at any time, accumulated dose (quantity of gamma and x-ray exposure). PEN dosimeters are designed to satisfy military specifications for the RADIAC METER IM-264/PD and ANSI N 13.5 and N322 requirements. A sturdy metal clip attaches the dosimeter to a pocket or any object to monitor total radiation exposure. They are hermetically sealed and immersion proof.

**Exposure Range (gamma and x-rays)**

- PEN200mR Scale increments of 10mR
- PEN500mR Scale increments of 20mR
- PEN2R increments of 100 mR
- PEN5R increments of 200mR
- PEN20R increments of 1R
- PEN2mSv increments of .1mSv
- PEN5mSv increments of .2mSv

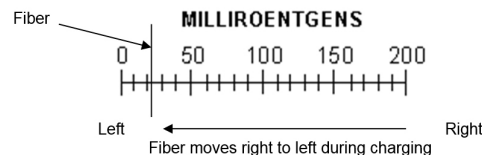


**Energy Dependence**

±10% maximum change in sensitivity for x and gamma ray energies from 16 keV to 8 MeV.

**Electrical Leakage**

In the absence of radiation, the dosimeters leakage or self discharge is less than 0.5% of full scale in 24 hours at 50°C. At 20°C dosimeters will read background radiation. After gross over exposure totaling up to 2000 R the leakage is less than 5% of full scale in 48 hours at 20°C. Thereafter, the leakage will decrease to original values.



**RADIATION ALERT®**

by S.E. INTERNATIONAL, INC.

Reliable Radiation Detection Solutions



[radiationinfo@seintl.com](mailto:radiationinfo@seintl.com)

[www.seintl.com](http://www.seintl.com)

1.931.964.3561