PDM-122 Electronic Pocket Dosimeters

A standard-type gamma (X) ray dosemeter that covers the general range of measurements

The MY DOSE series allows you to check at any time the accumulated amount of radiation exposure. They are designed to be placed in a pocket (chest or abdomen) of a worker who handles radiation or a person who happens to enter a radiation handling facility.



Features

- Light and compact to fit in a pocket
- Wide measurement range from 1μSv to 10Sv
- Accumulated dose and dose rate measuring
- Data holding function
- Simple operation of only one button

Specifications

- **Radiation detected**
  Gamma and X-ray
- **Energy threshold**
  40keV
- **Detector**
  Silicon semiconductor
- **Measurement range**
  Dose: 1μSv to 10Sv (0.1mrem to 1000 rem),
  Dose rate: 1μSv/h to 1Sv/h (0.1 mrem/h to 100 rem/h)
- **Accuracy**
  Within ±10% from 10μSv to 10 Sv (from 1mrem to 1000rem) Calibrated by ^{137}Cs using a slab phantom
- **Power**
  One lithium battery CR2450
- **Battery life**
  Approx. 700 hours of continuous use (at room temperature of 20 degrees C)
- **Environmental requirements in operation**
  Temperature: -10 to +50 degrees C, Relative humidity: up to 90% (non-condensing)
- **Dimensions**
  Approx. (W) 30 × (D) 11 ×(H) 108 mm (excluding the clip)
- **Weight**
  Approx. 40 g

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