PDM-222 Electronic Pocket Dosimeters

A standard-type gamma (X) ray dosemeter that covers the general range of measurements. The alarm function is added with sound and light.

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

- Compact enough to fit comfortably in pocket
- Alarm function equipped
- Wide measurement range from 1μSv to 10Sv
- Accumulated dose and dose rate measuring
- Data holding function
- Easy to see display with backlight

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
- **Alarm**
  5-type, Accumulated dose caution and alarm, Elapsed time alarm,Dose rate caution and alarm
- **Waterproof and dustproof**
  IP54
- **Power**
  One lithium battery CR2450
- **Battery life**
  Approx. 700 hours of continuous use (at room temperature of 20 degrees C)

Address:
CT-05-11, Corporate Tower Subang Square
Jalan SS15/4G Subang Jaya
47500 Selangor Darul Ehsan
Malaysia

Tel: +60 (3) 5636 6732
Fax: +60 (3) 5636 7732

- **Environmental requirements in operation**
  Temperature: -10 to +50 degrees C, Relative humidity: up to 90% (non-condensing)
- **Dimensions**
  Approx. 31 (W) x 13 (D) x 140 (H) mm (excluding the clip)
- **Weight**
  Approx. 55 g