



**ALOKA**  
*illuminate the change*

Electronic Pocket Dosemeter  
MYDOSE mini

**PDM-127**



The PDM-127 is a high-sensitive dosimeter to measure X(Gamma)-ray and is a compact enough to fit comfortably in pocket. The instrument is best suited medical device which can measure from 20keV of X(Gamma). It is a direct-reading dosimeter which displays an accumulated dose as well as dose rate.

## Features

- Light and compact to fit in a pocket
- Wide measurement range from 1 $\mu$ Sv to 1Sv
- Simple operation of only one button
- Dose rate measuring
- Data holding function

## Specifications

Radiation detected	X-ray and Gamma
Energy threshold	20keV
Detector	Silicon semiconductor
Measurement range	Dose: 1 $\mu$ Sv to 1 Sv (0.1mrem to 100 rem) Dose rate: 1 $\mu$ Sv/h to 100 mSv/h (0.1 mrem/h to 10rem/h )
Accuracy	Within $\pm 10\%$ from 10 $\mu$ Sv to 1 Sv (from 1mrem to 100 rem) Calibrated by <sup>241</sup> Am using a slab phantom
Linearity	Within $\pm 20\%$ from 10 $\mu$ Sv/h to 100 mSv/h (from 1 mrem/h to 10rem/h)
Energy dependence	Within $\pm 30\%$ from 30 keV to 200 keV
Display	4-digit LCD with unit and battery indications
Switch	Power-on/off (including reset operation) and dose rate display
Immunity	150V/m: 0.15MHz to 200MHz, 100V/m: 200MHz to 1000MHz (IEC61326-1: 2006)
Power	One lithium battery CR2450 (conforming to IEC 60086-2)
Battery life	Approx. 350 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. 30 (W) x 11 (D) x 108 (H) mm (excluding the clip)
Weight	Approx. 40 g

## Standard configuration

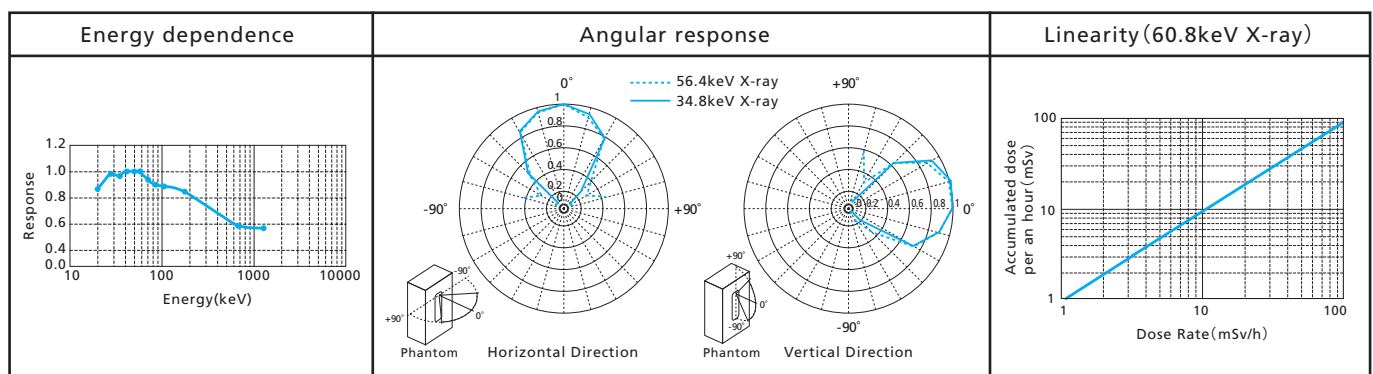
Main unit : 1    Battery : 1    Strap : 1    Instruction manual : 1    Calibration certificate : 1    Inspection pass tag : 1

## Consumable

Lithium battery CR2450 that conforms to the IEC standard, i.e. IEC 60086-2

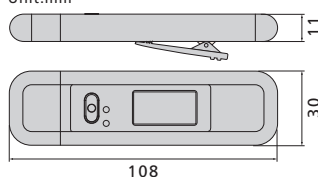
Note: Nonconforming battery may cause a malfunction of the instrument.

## Data for reference



## Dimensions

Unit:mm



※ "rem" display is available as factory setting.  
Specifications are subject to change without notice.



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