



**ALOKA**  
*illuminate the change*

Electronic Pocket Dosimeter  
MYDOSE mini

**PDM-122**



The PDM-122 is a high-sensitive dosimeter to measure Gamma(X)-ray and is compact enough to fit comfortably in pocket. It is a direct-reading dosimeter which displays an accumulated dose as well as dose rate.

※ it is not suited for measuring less than 100kVp of X-ray tube voltage.

## Features

- Light and compact to fit in a pocket
- Wide measurement range from 1  $\mu$ Sv to 10Sv
- Simple operation of only one button
- Dose rate measuring
- Data holding function

## Specifications

|   |  |
|---|--|
| Radiation detected                      | Gamma and X-ray  |
| Energy threshold                        | 40keV  |
| Detector                                | Silicon semiconductor  |
| Measurement range                       | Dose: 1 $\mu$ Sv to 10Sv (0.1mrem to 1000 rem),<br>Dose rate: 1 $\mu$ Sv/h to 1Sv/h (0.1 mrem/h to 100 rem/h)              |
| Accuracy                                | Within $\pm$ 10% from 10 $\mu$ Sv to 10 Sv (from 1mrem to 1000rem)<br>Calibrated by <sup>137</sup> Cs using a slab phantom |
| Linearity                               | Within $\pm$ 20% from 10 $\mu$ Sv/h to 1 Sv/h (from 1 mrem/h to 100 rem/h)   |
| Energy dependence                       | Within $\pm$ 30% from 50 keV to 1.5 MeV  |
| 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. 700 hours of continuous use (at room temperature of 20 degrees C)  |
| Environmental requirements in operation | Temperature: -10 to +50 degrees C<br>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

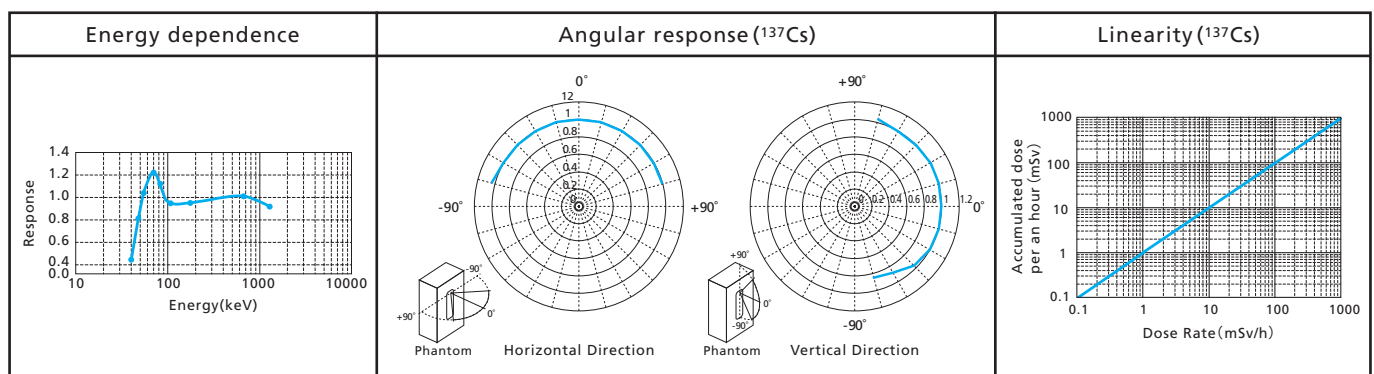
Main unit : 1    Battery : 1    Strap : 1    Instruction manual : 1    Calibration certificate : 1    Inspection pass tag : 1

## Consumable

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

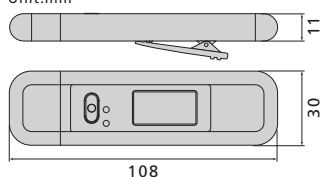
Note: Nonconforming battery may cause a malfunction of the instrument.

## Data for reference



## Dimensions

Unit:mm



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



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