

miniDOSE

A compact electronic personal dosimeter to protect you every day

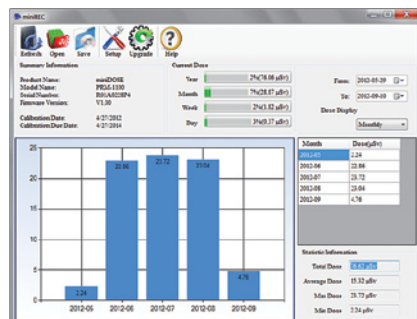


miniDOSE is an easy-to-use electronic personal dosimeter that records accumulated X-ray and/or gamma radiation dosages. A daily datalog of accumulated dose can be easily downloaded to a computer via the micro-USB interface. Audible and visual alarms for accumulated dose and dose rate can be set and warn the user when the levels of radiation exposure and/or exposure rate exceed the limits. You can conveniently monitor your personal radiation exposures in real time on a daily, weekly, monthly and yearly basis.

KEY FEATURES

- Easy to Use
- Sensitive CsI scintillation detector
- Powered by one AAA battery
- Data communication via micro-USB
- Accumulated dosage of 0.01 μ Sv to 10Sv or 1 μ rem to 1000rem
- View dose by day, week, month and year
- Datalog of dose accumulated every day
- Dose rate of 0.01 μ Sv/h to 2mSv/h or 1 μ rem/h to 0.2rem/h

- Highly sensitive at low dose rate levels
- Daily, weekly and annual recorded dose history
- Easy download of the accumulated dose datalog to a PC via a micro-USB interface



Easy to use software to manage your radiation exposure data.

APPLICATIONS

- Hospitals
- Radiation therapy technicians
- Primary care nursing staff
- Nuclear medicine technologists
- Diagnostic imaging technicians
- Waste handling and storage
- Industrial locations using radioactive sources/materials



A medical professional uses miniDOSE at work in a radiology facility. miniDOSE protects the ones that help to protect patients.

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SPECIFICATIONS

Sensor

Radiation Detector	CsI(Tl) scintillation detector
Dose Range	Hp(10): 0.01 μ Sv to 10 Sv (1 μ rem to 1000 rem)
Dose Rate Range	Hp(10): 0.01 μ Sv/h to 2 mSv/h (1 μ rem/h to 0.2 rem/h)
Dose Accuracy	± 0.1 μ Sv (± 10 μ rem) or $\pm 15\%$, whichever is greater (for ^{137}Cs)
Energy Response	X- and gamma: from 50 keV to 3 MeV
Recommended Valid Calibration Period	2 years

Alarms

Alarm Alerts	Buzzer: 65 dB @ 30 cm; LED lights on both sides of LCD
Alarm Settings	Yearly Dose: 1 μ Sv to 10 Sv (100 μ rem to 1000 rem) High Dose Rate: 1 μ Sv/h to 2 mSv/h (100 μ rem/h to 0.2 rem/h) Low Dose Rate: 1 μ Sv/h (100 μ rem/h) to High Dose Rate

Datalogging and Communication

Data Storage	More than 4000 data points
Communication	Data download, firmware upgrade and radiation calibration via micro-USB

Power

Battery	1 AAA alkaline battery
Operating Period	700 hours typical life

Operating Environment

Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	0% to 96% (non-condensing)

Physical Characteristics

Display	LCD display with EL backlight Three-digit floating-point readout
Direct Readout	Daily Dose, Weekly Dose, Monthly Dose, Yearly Dose and Dose Rate
Keypad	2 operation buttons
Size	2.7" x 2.2" x 1.2" (68 mm x 57 mm x 31 mm)
Weight	2.3 oz. (65g)
Attachments	Clip, lanyard and protective silicone case

Specifications are subject to change.

COMPLETE MINIDOSE PACKAGE INCLUDES:

- miniDOSE Electronic personal Dosimeter
- User Instructions
- miniREC Software CD
- Micro-USB Cable
- Protective Silicone Case
- Lanyard
- Calibration Certificate

ORDERING INFORMATION (MODEL PRM-1100)

PRODUCT PART NUMBER

Kit, miniDOSE, Blue, rem Display, PRM-1100 R01-D034-200

Kit, miniDOSE, Red, Sv Display, PRM-1100 R01-D011-000

Kit, miniDOSE, Orange, Sv Display, PRM-1100 R01-D012-000

Kit, miniDOSE, Green, Sv Display, PRM-1100 R01-D013-000

Kit, miniDOSE, Blue, Sv Display, PRM-1100 R01-D014-000

Kit, miniDOSE, Purple, Sv Display, PRM-1100 R01-D015-000





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.