

Portable Dose Rate Instrument

Product Code: 2010-08



WESTMINSTER
GROUP PLC



Key Features



2 in 1 dose and dose rate



3 versions available



270gr total weight

Overview

Westminster is happy to offer the Portable Dose Rate Instrument.

In combination with the user oriented accessories, the product line is the new solution for dose, dose rate and contamination measurements.

The compact measurement devices are the ideal instruments for your daily work operations.

Features

- Extensive portfolio of additional detectors for dose rate and contamination measurements
- Large, graphic display
- Simultaneous dose and dose rate indication
- Intuitive menu
- User-friendly keyboard
- Torch function
- User-oriented
- IP 65 (according DIN EN 60 529)

Specifications

Product Description

The product line consists of three different main devices: the indication device DoIMo 0 and the measurement devices DoIMo I and DoIMo II.

The DoIMo 0 serves as an indication device for our large portfolio of external contamination and dose rate probes. Extraordinary highlights are the special detectors such as pipe or corner detectors and the highly sensitive Nal detectors.

The DoIMo I with its integrated GM counter tube is specialized for applications in the low dose rate measurement range of $1 \mu\text{Sv/h}$ up to 100 mSv/h ($45 \text{ keV} - 1,3 \text{ MeV}$). The dose rate is simultaneously displayed to the cumulated dose.

The DoIMo II is specialized for applications with a higher dose rate measurement range of $10 \mu\text{Sv/h}$ up to 1 Sv/h ($55 \text{ keV} - 1,3 \text{ MeV}$).

The external detectors can be attached to all versions of the DoIMo product line.



DoIMo with external dose rate probe 70 014A

Product Specification

- Simultaneous display of dose and dose rate
- Measurement of ambient equivalent dose $H^*(10)$
- Measurement of ambient equivalent dose rate $H^*(10)$
- Extensive portfolio of probes for dose rate and contamination measurement
- Storage of dose, even when switched off or during battery replacement
- Adjustable alarm thresholds for dose and dose rate, optical and acoustical alarm
- Intuitive operation
- Entire operation possible with safety gloves
- Small, very light measurement device
- Torch function

Technical Data

- Low weight (only approx. 270 g, incl. 2 AA-batteries)
- Compact dimensions (110 x 68 x 30 mm)
- Ergonomic housing design with large, illuminated graphic-LCD (128 x 64 pixels)
- Measuring display in dose rate (Sv/h or rem/h) + dose ($\text{Sv/h} + \text{Sv}$ or $\text{rem/h} + \text{rem}$) or counts per time unit (cps or cpm)
- Activity display in Becquerel (Bq, Bq/cm^2), Curie (Ci, Ci/cm^2 , Ci/ In^2) or disintegrations per minute (dpm, dpm/cm^2 , dpm/In^2), whilst using an external contamination probe
- Individual adjustment for user-specific requirements, e.g. 2 adjustable alarm thresholds for dose rate, 2 adjustable alarm thresholds for cps, adjustable alarm threshold for dose
- Settings and measurement parameters are protected by password
- Alarm indication via red and yellow LEDs; both on top and at the front side