DOSE*man*



Technical Data

- Theory of operation
 - o HV biased measurement chamber with diffusion membran for air inlet
 - Electrostatic collection of Radon daughters generated by Radon decay within the chamber on the surface of a semiconductor detector
 - o Spectroscopic analysis of collected short living Radon daughter products
- Measurement range 0 ... 4 MBq/m³
- Response time 12/120 Minutes to 95% of the final value
- Sensitivity 0.18/0.32 Counts/Minute @ 1000 Bq/m³ (fast/slow mode)
 - o 20% statistical error (1σ) @ 200 Bq/m³ within 8 hours (slow mode)
 - 10% statistical error (1 σ) @ 200 Bq/m³ within 24 hours (slow mode)
 - o 16% statistical error (1 σ) @ 1000 Bq/m³ within 2 hours (slow mode)
- Sample interval 1 ... 255 Minutes, adjustable by software
- Mon volatile data memory to store 720 data records and sum spectrum
- Mainternal real time clock
- Internal rechargeable battery for 12 days permanent operation 2 hours recharge time
- Minimize Instrument control by a single push button, Optical and audible alert
- M Displaying of concentration, exposure and dose (LCD, 3 lines x 12 characters)
- Ø Dimensions 115 x 57 x 32 mm, weight 250 g
- Available with SI- or US- units
- M Infrared interface, spezial IR USB adapter is required
- M Data transfer, set-up and instrument control by Radon Vision software

This specification sheet is for information purposes only and is subject to change without notice. SARAD GmbH makes no warranties, expressed or implied, in this product summary. © SARAD GmbH. All rights reserved.



Distribuito in Italia da: Active Radsys www.activeRadsys.it info@activeradsys.it Tel- 0544 408071

SARAD GmbH, Wiesbadener Str. 10, 01159 Dresden, Germany