

Data sheet

RadonTec PRD Exposimeter

For the determination of indoor radon concentration with a measuring period of 1 - 12 months. The RadonTec PRD exposimeters are legally recognised exposimeters.

Measurement procedure

passive, integrating with solid state trace detector

Evaluation

automatic image evaluation system Radosys

Counted detector area

51.7 mm²

Measuring time

1 - 12 months

Measuring range

4 kBqh/m³ (detection limit) to 11000 kBqh/m³
(with 14 days measuring time this corresponds to
12 Bq/m³ to 33000 Bq/m³)

Packaging

radon-tight welded PA/PE-film

Detector

CR39, 10x10x1 mm, alpha-sensitive

Detector ID

numeric, dot and matrix code

Use

site-specific short-term measurements of radon-222 activity concentration

Dimensions

75x75x19 mm

Measurement uncertainty

determined according to DIN ISO 11665-4
Example: Measured value 200 Bq/m³, measuring
time 60 days; 2σ = 15.5%.

Weight

21 g



Placement of the exposimeter in the room

Standing open on a table or on a shelf or wall unit or hanging in the middle of the room (e.g. from a lamp)

- Do not place on the floor
- Keep at least 25 cm distance from walls
- Do not place at strong heat sources or air currents (draught)
- Maintain a minimum distance of 1.5 m from windows, external doors, supply air valves and heating elements
- Keep a minimum distance of 0.5 m from exhaust air valves
- Not in humid rooms
- Place out of reach of small children