

## Radtrak<sup>2</sup>®



Radtrak<sup>2</sup>® is an alpha-track detector which can be used for long-term radon measurements over 2-12 month, and also as a detector for occupational radon dosimetry. The exceptionally large measurement range of this detector allows measurement of radon levels from as low as 15 Bq/m<sup>3</sup> to as high as 25,000 Bq/m<sup>3</sup> over a 3 month period.

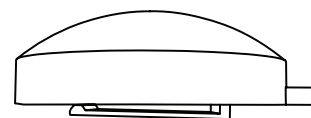
### Technical Specification

Detector application	Dwellings/workplaces as a dosimeter
Measurement range (Bq/m <sup>3</sup> )	15-25 000 at 3 months
Measurement range (kBq h m <sup>-3</sup> )	30-50 000
Normal exposure duration (days)	60-100
Uncertainty (%)	6% at 400 kBq h/m <sup>3</sup> (3 months at 200 Bq/m <sup>3</sup> )
Basis of uncertainty	1 sd
Detector sensitivity (tracks cm <sup>-2</sup> kBq <sup>-1</sup> h <sup>-1</sup> m <sup>3</sup> )	2.3
Typical background (kBq h m <sup>-3</sup> )	15
Standard deviation on background (kBq h m <sup>-3</sup> )	4
Diameter (mm)	58 (63.5 with hanger)
Holder type	Closed, with filter
Holder design	NRPB/SSI (black)
Holder antistatic measures	Conducting holder
Detector material	CR39/PADC

### Alpha-track detector for long-term radon measurements

- A reliable detector for all your measurement needs
- Alpha-track technique
- Detectors consist of film elements located inside pods made from antistatic plastic
- Radon enters the detectors by diffusion
- Analysis is performed using a state-of-the-art image scanner
- Exposure results expressed as kBqh/m<sup>3</sup> and Bq/m<sup>3</sup>

Height 20 mm



Radonova Laboratories offers advanced measurement and consulting services in the field of ionising radiation. Using our ISO 17025 accredited system we establish the correct management and technical requirements to achieve accurate results for our customers. Our measurement service, which for example includes **Radtrak<sup>2</sup>**, **Rapidos<sup>®</sup>** and **Duotrak<sup>®</sup>** detectors, is available globally and can be applied to dwellings, multifamily homes, workplaces, mines, institutions and wherever radon gas poses a health threat.

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