



## Radtrak<sup>3</sup>®

Radtrak<sup>3</sup>® is an alpha-track detector that can be used for long-term radon measurements over 2-12 months, 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 (kBqh/m <sup>3</sup> )	30-50 000
Normal exposure duration (days)	60-365
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 ((spår/cm <sup>2</sup> ) / (kBqh/m <sup>3</sup> ))	2.1
Typical background (kBqh/m <sup>3</sup> )	15
Standard deviation on background (kBqh/m <sup>3</sup> )	4
Dimensions LxWxH (mm)	52x46x17
Holder type	Closed, with filter
Holder design	Radonova (Black)
Detector material	PRE-ELEC I370, CR-39/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 enter the detector 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 17 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>**, **Radtrak<sup>3</sup>**, **Rapidos**® and **Duotrak**® detectors, is available globally and can be applied to dwellings, multifamily homes, workplaces, mines, institutions and wherever radon gas poses a health threat.

#### STREET ADDRESS

Radonova Laboratories AB  
Rapskatan 25  
754 50 UPPSALA  
SWEDEN

#### POSTAL ADDRESS

Radonova Laboratories AB  
Box 6522  
751 38 UPPSALA  
SWEDEN

#### CONTACT DETAILS

+46 (0) 18 56 88 00  
hello@radonova.org  
www.radonova.org

#### COMPANY DETAILS

Org nr:556690-0717  
VAT number: SE556690071701  
Bank giro 987-5030