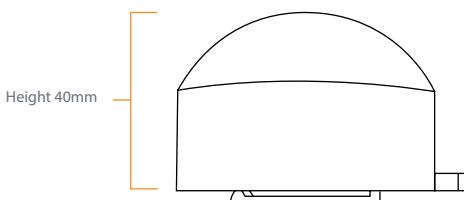




Alpha track detector for short-term measurements

- Greater air volume doubles the detection speed to provide an improved statistic for short-term measurement
- Detector employs alpha track technique
- Detector consists of film elements inside cups made from anti-static plastic
- Radon enters detector by diffusion
- Detector analysis is performed using state-of-the-art image scanner
- Exposure results are expressed in Bq/m³



Technical Specifications

Detector	Dwellings/Workplaces
Measurement Range (Bq/m ³)	40 - 110,000 at 10 days
Measurement Range (kBq/m ³)	10 - 25,000
Normal Exposure Duration (days)	10 - 30
Uncertainty (%)	10% at 50 kBq/m ³ (10 days at 200 Bq/m ³)
Basis of Uncertainty	1 sd
Detector Sensitivity ({tracks/cm ² } / {Bq/m ³ })	4.4
Typical Background (kBq/m ³)	4
Standard Deviation on Background (kBq/m ³)	1
Diameter (mm)	58 (63.5 with hanger)
Height (mm)	40 (43 with clip)
Holder Type	Closed, with filter
Holder Design	Rapidos own, black
Holder Antistatic Measures	Conducting holder
Detector Material	CR39/PADC