



Duotrak[®]

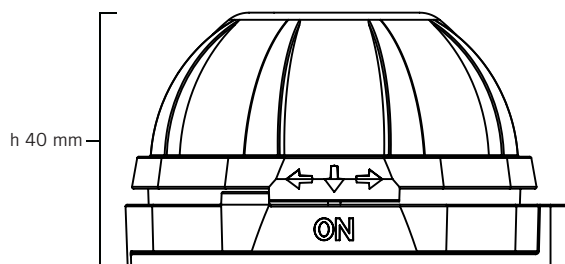
Duotrak[®] offers the possibility to measure in two positions, which can be essential in i.e. work places, where the radon concentration is required to be measured separately during working hours and non-working hours. Duotrak can be ideal for occupational radon dosimetry due to the possibility to have the detector in the ON-position only during working time.

Technical Specification

Detector application:	Dwellings/workplaces
Measurement range (Bq/m ³):	60-150 000
Measurement range (kBq h m ⁻³):	15-25 000
Normal exposure duration (days):	15-100
Uncertainty (%):	10% at 50 kBq h/m ³
Basis of uncertainty:	1 sd
Detector sensitivity (tracks cm ⁻² kBq ⁻¹ h ⁻¹ m ³):	4
Typical background (kBq h m ⁻³):	3
Standard deviation on background (kBq h m ⁻³):	1
Holder type:	Closed, with filter
Holder design.:	Duotrak, own (black)
Holder antistatic measures:	Conducting holder
Detector material:	CR39/PADC

Alpha-track detector for dual radon measurements

- The detector consists of a film element located within a pod made from a special antistatic plastic
- Measurement in two positions
- Radon enters into the detectors by diffusion
- Detector is non-sensitive to thoron only measuring radon gas
- Analysis is performed using a state-of-the-art image scanner
- Exposure results expressed as kBq/h m³ and Bq/m³



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[®]**, **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.

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