

## DPR 2 RADON passive Dosimeter

- For the integrated measurement of the volumic activity of atmospheric Radon.

### APPLICATIONS :

- Detection of Radon in the atmospheric environment of residences and public buildings.
- Monitoring of closed areas.



## FEATURES

- ❑ **Closed** passive detector. The radon enters a detection volume through a specific membrane which traps all the solid daughter products.
- ❑ Uses a KODAK LR115 T2 Type solid-state nuclear track detector.
- ❑ Equipped with a **manual switch** for starting and stopping the measurement.
- ❑ The **integrity of the measurement** is obtained by a locking mechanism.
- ❑ Operating temperature 0°C to +40°C.
- ❑ Carbon charged polystyrene casing. Diameter 59mm; high 53mm; weight 22g.
- ❑ Passive sampling with delayed processing by **ALGADE laboratory**.

## USE

- DPR 2 are provided by ALGADE laboratory,
- Exposure of DPR 2 in the atmosphere for an advised period of 2 months,
- Reception of detectors in the ALGADE laboratory,
- Treatment of the detectors under EN ISO/CEI 17025 quality standards,
- Calculation of volumic activity expressed in Becquerels per m<sup>3</sup> of air (Bq/m<sup>3</sup>),
- Publishing of an analysis report.

### Measurement range :

For a 2 months exposure time :

Detection limit = 60 Bq/m<sup>3</sup>,

Maximum reachable activity = 20 000 Bq/m<sup>3</sup>.

*We reserve the right to change at any time the features of the instruments described in this documentation.*



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