DPR W
radon individual passive dosimeter

- For the integrated measurement of the volumic activity of Radon in working environment.

APPLICATION :

Individual dosimetry of Workers :
Measurements of the volumic activity of radon in workplaces.

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 daily control of exposure time.
- Operating temperature 0°C to +40°C.
- Carbon charged polystyrene casing. Diameter 59mm; high 22mm; weight 14g.
- Passive sampling with delayed processing by ***ALGADE laboratory***.

USE

- **DPR W** is provided by ALGADE laboratory,
- **DPR W** is wearing during working periods,
  - Switch of **DPRW** is placed on the ON position when shift worker begins,
  - Switch of **DPRW** is placed on the OFF position when shift worker ends.
- Exposure of **DPR W** during working hours for an advised period of 3 months,
- Reception of detectors in the ALGADE laboratory,
- Treatment of the detectors with respect to EN ISO/CEI 17025 quality standards,
- Calculation of volumic activity expressed in Becquerels per m^3 of air (Bq/m^3),
- Publishing of an analysis report.

Measurement range For a 400 hours exposure time :
Detection limit = 200 Bq/m^3 ,
Maximum reachable activity = 60 000 Bq/m^3 .

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

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ALGADE - 1, Ave. du Brugeaud - B.P.46 - F 87250 Bessines-sur-Gartempe
Tél. 33 (0)5 55 60 50 00 - Fax. 33(0)5 55 60 50 59
E-mail : algade@algade.com - http: //www.algade.com