

BAB-A6

Aerosol in air monitor

- BAB-A6 is an aerosol in air Monitor for survey and surveillance of artificial beta and alpha isotope (inc. Curium). It measures the instantaneous and averaged concentrations of such isotopes.

- Real time compensations of natural Radon and Thoron and gamma background
- Detection head optimized for
 - excellent compensation quality
 - high detection efficiency
 - low residual dust retention
- Permanent calculation of the detection limits and comparison to the alarm thresholds
- Follow-up of Radon and Thoron concentrations
- Graphic display and transfer of the spectrum
- Measurements buffer: 10 days and one month
- Automatic restart after main cut-off
- Indication of the gamma dose rate



➤ Technical characteristics

Detectors: Dual Si diodes (gamma compensation)

Alpha range: 10^{-2} to 10^5 Bq.m⁻³

Beta range: 10^{-1} to 10^5 Bq.m⁻³

Detection Limits (Bq/m³): (at 6 σ , measuring time: 4 h, BKG: 200 nSv/h, Radon < 10 Bq /m³)

- 0.15 (beta)
- 0.01 (alpha total)
- 0.05 (alpha Pu)

Measuring time: Automatic adaptation between 1 min and 4 hours with respect to the detection limits requested and background

Dimensions & weight:

- detection module: 50 x 30 x 60 cm³ – 28 kg
- pump: 50 x 37x 28 cm³– 11 kg.

Power supply: 230V/50Hz or 110V60Hz; 500 VA

Housing: Weatherproof cabinet

Temperature: -20°C to + 45°C

Relat. Humidity: 100% without condensation

Options:

- Remote control:** Via internal modem to remote PC
- Networking:** - Supervisor connection with mapping software (Windows NT)
- Automatic interrogation of BAB-A6 stations

