BAB
Air Monitoring Beacon



Continuous Alpha & Beta particulates monitor

- Real time monitoring
- Detection in high gamma background environments
- Available in mobile or stationary version

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BAB AIR MONITORING

CONTINUOUS MONITORING OF ALPHA & BETA ARTIFICIAL RADIOACTIVE PARTICULATES

The BAB air monitoring beacon provides continuous measurement of the atmospheric contamination issued by alpha & beta radioactive particulates, including compensation of radon progenies for more accuracy.
All data measured from the BAB beacon are displayed in real time or available remotely using the DataEXPERT software. It can also be connected to a central monitoring network and trigger a general alarm system on-site in case of emergency.

Two BAB versions are available. The BAB-A7 version is specially designed for workstation monitoring during maintenance operations or when dismantling work sites. BAB-A7 is available for stationary or mobile use. The BAB-E exists in a stationary version for outside deployment, and will be typically used for surveillance around nuclear facilities or for nationwide monitoring.

Applications



Environmental monitoring



Working place monitoring in nuclear facilities



Ventilation duct monitoring



Emergency measurements

Indoor or outdoor beacons



The BAB-A7 is a mobile beacon designed to maximise operators' protection indoor



The BAB-E is a ruggedized station designed for outdoor operations even in harsh environmental conditions

Real time monitoring with DataEXPERT



DataEXPERT software is a web-based solution designed to transmit online data from connected low power sensors to a single computer or supervision center.

Technical features

Detection type	Large area dual silicon diode 2 x 360 mm^2
Energy range	Alpha: 2 to 10 MeV Beta: 80 keV to 2 MeV
Measuring range	Alpha: 10-3 to 5.104 Bq/m^3 Beta: 10-2 to 5.104 Bq/m^3
Display units	Bq/m^3, µGy/h
Sampling rate	5 m^3/h
Display	Large LCD screen - TFT 5.6"
Communication	2 x RS485, JBUS, ShortLINK or SkyLINK (radio), Optional GPRS or 3G/4G
Dimensions	BAB-A7: 110 x 55 x 26 cm BAB-E: 214 x 113 x 71 cm
Weight	BAB-A7: 48 kg BAB-E: 150 kg

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