SA
Air Monitoring Station



Air and spectroscopic monitor for Beta & Gamma radiations

- Combined particulate & gas activities with spectrum measurement
- High resolution and sensitivity
- Adapted to routine operations and emergency monitoring

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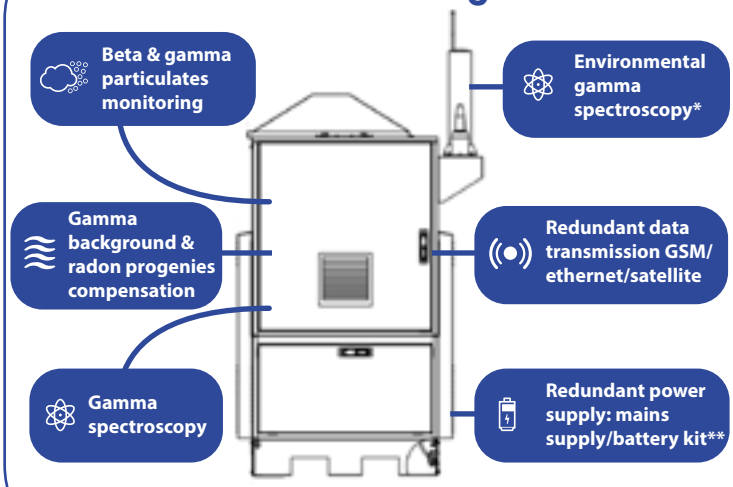


SA AIR MONITORING STATION

CONTINUOUS MEASUREMENT OF PARTICULATE ACTIVITIES IN ALL GASEOUS EFFLUENTS

The SA air monitoring station is designed to complement gamma radiation monitoring systems in environmental networks, where continuous monitoring of the volumetric activity is required.
It combines beta & gamma volumetric activity and spectrum measurement within the environment, using large sensors for a high sensitivity. The SA monitor is available in two SA200 & SA210 versions. Both instruments can be part of a national or regional environment network, around nuclear power plants or facilities.
The SA200 version is designed for high air flow rates. The SA210 version is available with different sets of battery pack modules and a low power pump with lower sampling rate, if monitoring without access to main supply is required. Thus in emergency conditions the station is able to measure and transmit data (satellite communication) during approximately 4 days.

All-in-one air monitoring station



*with optional SpectroTRACER probe ** according to versions

Applications


Nationwide monitoring


Ring monitoring for nuclear facilities


Area monitoring


Emergency measurements

Secured & centralized surveillance system



From one probe to turnkey solutions, your data can be secured and saved in a SQL central server and easily integrated in your internal processes or systems.
Web based central data management is also available!

Technical features

Beta detector	2.000 mm2 large sensitive silicon diode
Gamma detector	1,5 x 1,5" LaBr3(Ce) crystal
Energy range	Beta: 80 keV to 3 MeV Gamma: 50 keV to 2 MeV
Sampling rate	SA200: 17 m^3/h SA210: 3 m^3/h
Temperature range	From -30°C to +50°C
Power supply	Mains single phase 220 V or 110 V, optional batteries for SA210 version
Communication	Embedded PC connection (Ethernet) Optional: GPRS, GSM, 3G/4G, Satellite
Dimensions and weight*	**SA200**: 206 x 133 x 90 cm - 250 kg **SA210**: 115 x 85 x 65 cm - 200 kg

** depends on delivered configuration*

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