



# 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

# 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.

## Applications



Nationwide monitoring



Ring monitoring for nuclear facilities

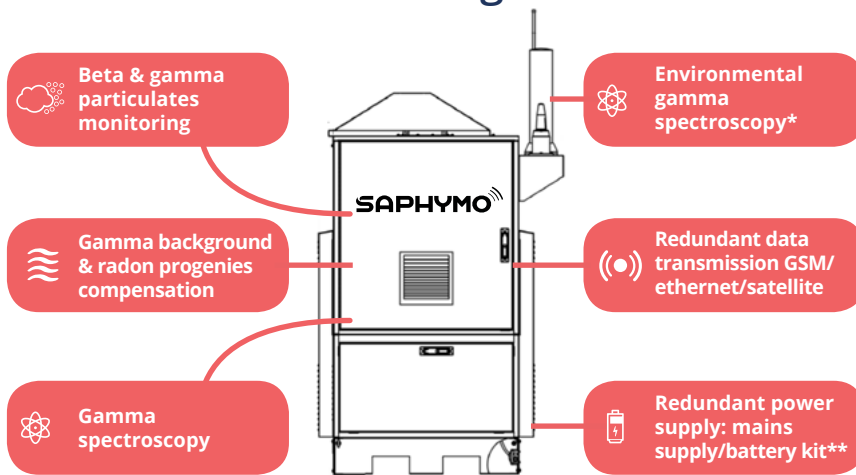


Area monitoring



Emergency measurements

## All-in-one air monitoring station



\*with optional SpectroTRACER probe \*\* according to version

## Environmental monitoring range

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## SpectroTRACER



Spectroscopic solution for nuclide identification

## 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 mm<sup>2</sup> large sensitive silicon diode

**GAMMA DETECTOR**  
1,5 x 1,5" LaBr<sub>3</sub>(Ce) crystal

**ENERGY RANGE**  
Beta: 80 keV to 3 MeV  
Gamma: 50 keV to 2 MeV

**SAMPLING RATE**  
SA200: 17 m<sup>3</sup>/h  
SA210: 3 m<sup>3</sup>/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

With the expertise of **SAPHYMO**