

Spectroscopic measuring probe



- Automatic radionuclide identification
- Adapted to air, soil or water applications
- Data transmission suitable for routine surveillance or emergency situations
- Very low maintenance







SPECTROTRACER

Spectroscopic solution for routine and emergency monitoring

SpectroTRACER is a continuous operating measurement system for nuclide specific identification and low level gamma contamination monitoring in air/soil (SpectroTRACER Air/Soil) and liquids (SpectroTRACER Aqua). The monitor calculates the ground contamination (Bq/m²) and the activity concentration (Bq/m³) for each identified nuclide as well as the dose rate H*(10).

Seismic test approved, SpectroTRACER is **suitable both for day-to-day or emergency** monitoring. It includes also as option redundant data transmission (incl. satellite data communication) in case of electrical blackout disabling mobile phone networks.

The hermetically sealed SpectroTRACER probe is designed for **operation under harsh** conditions demanding minimum maintenance. Low power consumption enables stationary or mobile applications using battery back-up or solar supply.

Versatile solution

Air monitoring



From very low to increased radioactivity levels in the air



Soil monitoring

For ground contamination in accidental conditions

Water monitoring



In nuclear facilities or outdoors (river, sea...) with special coating

Identify several nuclides in one measurement

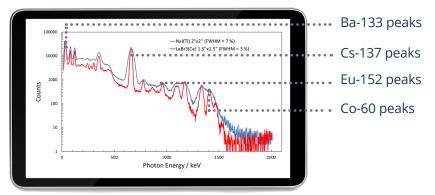


Figure: comparison between LaBr₂(Ce) and NaI(TI) detectors sensitivity to identify nuclides

SpectroTRACER is available with 3 types of detector - Nal(Tl), CeBr₃ and LaBr₂(Ce) - depending on the expected sensitivity. All detectors allow the identification of several radionuclides in one measurement.

Environmental monitoring range

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GammaTRACER Spider



Emergency probe for gamma monitoring

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



DETECTION PRINCIPLE

ENERGY RANGE

MEASUREMENT RANGE

DATA STORAGE

ADDITIONAL SENSORS

HOUSING MATERIAL

COMMUNICATION INTERFACES

DIMENSIONS / WEIGHT



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