

# GAMMATRACER XL2



## Autonomous Gamma Dose Rate Probe

- More than 4.000 GammaTRACER in operation worldwide
- Easy to install and adapted to harsh environments
- Very low maintenance costs
- Redundant data transmission

# GAMMATRACER XL2



## Autonomous, flexible and robust environmental gamma dose rate probe

GammaTRACER XL2 is an autonomous and hermetically sealed gamma dose rate probe for stationary and mobile use. 2G/3G/4G, radio, satellite communication modules as well as GPS can be integrated. It is designed for continuously measuring (with adjustable cycle times), recording and transmitting the environmental gamma dose rate to a base station.

Moreover, GammaTRACER XL2 is very flexible in use: the probe is suitable for routine as well as for emergency applications (redundant data transmission), provides high sensitivity, accuracy and is compatible with further sensors (rain, wind, meteo, display, alarm...).

GammaTRACER XL2 is also very robust and reliable, designed and made in Germany. It is fully compliant with standard norms (for instance IEC 60532 and IEC 60846:2009).

## Applications



Nationwide monitoring



Perimeter monitoring for nuclear facilities



Area monitoring



Emergency applications

## A probe designed for harsh conditions

### Extrem temperature proof



Operating temperature range from -40°C to +60°C.

### High humidity proof



IP 68 hermetically sealed housing with nanopaint, salt water resistant.

### Seismic proof



Certified for use in potential seismic areas, tests successfully renewed in 2016!

### Low maintenance needs



Unlimited autonomy with internal solar panel (in 10 min. data transmission cycle).

## 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

### DETECTION PRINCIPLE

2 or 3 GM Tubes, energy compensated H\*(10)

### ENERGY RANGE

From 45 keV to 2 MeV

### MEASUREMENT RANGE

From 10 nSv/h to 10 Sv/h (from 1 µR/h to 1 000 R/h)

### MEASUREMENT CYCLE

From 1 min to 2 hours (optional 1 sec. fast response mode)

### DATA STORAGE

Up to 10.000 data sets

### BUILT-IN SENSORS

GPS, temperature, movement, humidity

### COMMUNICATION INTERFACES

Infrared, RS232/RS485, ethernet, radio, 2G/3G/4G, satellite

### DIMENSIONS / WEIGHT

From 80 x 580 mm / 2 to 3 kg

With the expertise of **SAPHYMO**