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

bertin instruments

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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).

A probe designed for harsh environments

Extrem temperature proof

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

High humidity proof

IP 68 hermetically sealed housing with nanopaint: prevent adhesion of radioactive particles.

Seismic proof

SEISMIC TEST APPROVED

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

Low maintenance needs

Unlimited autonomy with internal solar panel and fast transmission modes.

Applications

Nationwide monitoring

Perimeter monitoring for nuclear facilities

Facilities monitoring

Emergency measurements

Secured & centralized surveillance system

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

Technical features

Detection principle	2 or 3 independant 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