

Environmental Monitoring



**Environmental surveillance and early warning
solutions related to the measurement of radioactivity
and chemicals in air, soil and water**

GammaTRACER



GammaTRACER is an autonomous probe designed to measure, record and transmit the environmental gamma radiation dose rate.

Battery powered and equipped with an internal memory (up to 12.800 values), this probe is operating autonomous by **up to 10 years** and easy to install, without any cabling. Data reading and setting of the probe are done through infrared wireless communication or IP68 connector (RS232/485). Hermetically sealed, the probe is designed and proven to withstand harsh climatic environments.

GammaTRACER probe, equipped with radio module, is used in our environmental monitoring networks: up to 5 km with ShortLINK systems, up to 100 km with SkyLINK systems. Optionally, the GammaTRACER XL2 type is available with GSM-module for data transmission with GSM/SMS/GPRS. Transmission options include Ethernet / DSL / ISDN / SMS / GSM / GPRS / 3G / SkyLINK-ShortLINK radio.

The XL2 type can also be equipped with a GPS module. If required, in addition to the internal battery the probe can also be powered externally or by solar panel.

• Versions

GT-BASIC	GT SPIDER	GT-WIDE	GT-HIGH	GT-XL	GT-XL2-2	GT-XL2-3
The standard probe, light weight	The self-erecting probe, for emergency situations	The wide-range measurement probe	The high-range measurement probe	The high sensitivity probe	High sensitivity and enhanced connectivity, GPS	Same as XL2-2 probe, but combines 2 low redundant and 1 high GM tubes, GPS

• Technical data

	GT-BASIC		GT SPIDER		GT-WIDE		GT-HIGH		GT-XL		GT-XL2-2		GT-XL2-3		
Tubes GM n°	1	2	1	2	1	2	1	2	1	2	1	2	1	2	3
Number of pulses at 100 nSv/h in 10 min	150	150	150	150	150	2	2	2	1 100	2	1 100	2	1 100	2	1 100
Measurement range	20 nSv/h to 10 mSv/h		20 nSv/h to 10 mSv/h		20 nSv/h to 10 Sv/h		10 mSv/h to 10 Sv/h		10 nSv/h to 10 Sv/h		10 nSv/h to 10 Sv/h		10 nSv/h to 10 Sv/h		
Measurement unit	H*(10) or Kerma/Hx		H*(10) or Kerma/Hx		H*(10) or Kerma/Hx		H*(10) or Kerma/Hx		H*(10)		H*(10)		H*(10)		
Energy range	45 to 2 000 keV		45 to 2 000 keV		45 to 2 000 keV		83 to 4 400 keV		45 to 2 000 keV		45 to 2 000 keV		45 to 2 000 keV		
Dimensions (Φ x L)	60 mm x 665 mm		60 mm x 665 mm		60 mm x 665 mm		60 mm x 665 mm		80 mm x 820 mm		80 mm x 500 mm		80 mm x 500 mm		
Weight	950 g		950 g		950 g		950 g		1 600 g		2 000 to 3 000 g		2 000 to 3 000 g		
Housing	Aluminium tube, IP 68														
Battery life (up to)	10 years		10 years		10 years		10 years		10 years		10 years		10 years		
OPTIONS															
Extended battery pack (10 years)	•		•		•		•		•		•		•		
Display/Alarm Unit											•		•		
Alarm unit	•		•		•		•		•		•		•		
RS 485/232 output	•		•		•		•		•		standard		standard		
SkyLINK / ShortLINK radio	•		•		•		•		•		•		•		
GSM/SMS/GPRS transmission											•		•		
Ethernet/DSL/ISDN transmission	•		•		•		•		•		•		•		
GPS module											•		•		
Solar supply											•		•		
Meteorology Sensor Set											•		•		
Rain sensor											•		•		
Built in tripod			•												
Self erection feature			•												
Satellite transmission			•								•		•		