

Environmental Monitoring



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



GammaTRACER





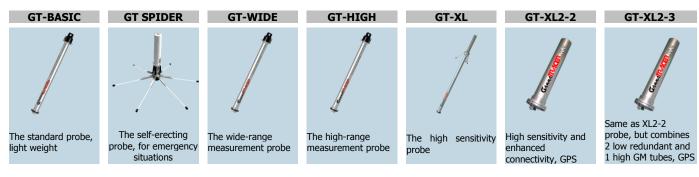
GammaTRACER is an autonomous probe designed to measure, record and transmit the environmental gamma radiation dose rate.

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



• 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			•									•		•	