



# SaphyGATE G



## Smart radiation portal monitor for vehicle & load control

- Accurate detection & adaptive alarm thresholds
- Very low false alarm rate
- Fully automatic and remote support



SaphyGATE Detector

# SAPHYGATE G PORTAL MONITOR

## Monitoring system for truck, train and cargo loads

Featuring advanced technologies and modern design, SaphyGATE G is the new generation of Radiation Portal Monitors, the perfect solution for truck, train and cargo control. Our extensive experience and highest quality standards are the guarantee of proven reliability in the field, making SaphyGATE G ideal for continuous operation in industrial environments and harsh conditions.

SaphyGATE G is based on multiple high volume plastic PVT scintillation detectors, associated to a new enhanced real-time Gamma energy distribution algorithm to ensure background compensation, adaptive alarm thresholds and alarm classification for the discrimination of natural and artificial radiation.

This fully automatic and self-sufficient solution includes an intuitive supervision software and friendly graphic touchscreen interface.



Supervision software

## Applications



Waste & recycling control



Nuclear access control

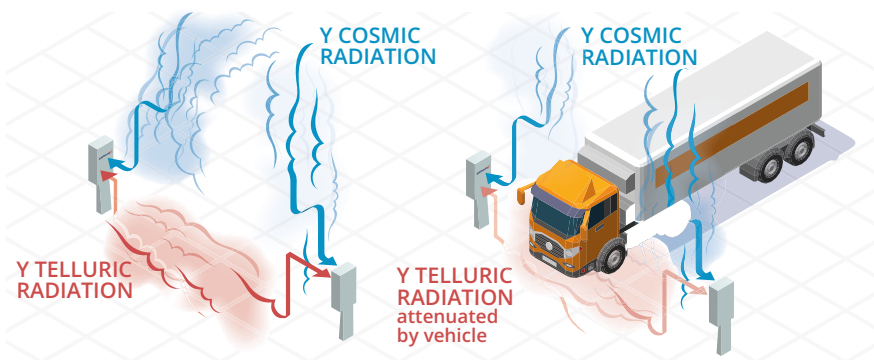


Hospital waste control



Border control

## Smart background compensation



SaphyGATE G is based on an innovative algorithm, designed to compensate the background attenuation caused by the vehicle driving through. This feature allows to perform a better radiation detection with a lower false alarm rate compared to other classical systems, even in case of small activity sources.

## Access control

Discover Bertin Instruments' other products

### RCP



Radiological control for pedestrian

## Services



Bertin Instruments' team of experts offers tailored solutions for technical support, training, maintenance and on-site interventions in order to answer every customer needs.



## Technical features

### DETECTOR TYPE

Plastic scintillator detector PVT (Polyvinyltoluene) – 25 liters / 6,6 gal

### ENERGY RANGE

From 30 keV to 7 MeV

### WORKING TEMPERATURE

From -20°C to +50°C (-4°F to +122°F)

### ENCLOSURE

Hermetic aluminium box, EMC shielded

### CENTRAL UNIT

Industrial PC with MS Windows and TFT XGA 12" colored touch-screen

### PROTECTION GRADE

IP 65

### STANDARDS

Compliant with international standards including IEC 62022

### DIMENSIONS & WEIGHT

1500 x 750 x 320 mm (59"x 29"x 13")  
About 400kg (882 lb) with lead shields and stand