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

bertin instruments

WWW.BERTIN-TECHNOLOGIES.COM



SAPHYGATE G

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.

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.

Applications



Waste & recycling control



Nuclear access control



Hospital waste control



Border control

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

Type of detector	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

Bertin Instruments - May 2023 - Copyrights: Bertin / IStock / T.Leaud

Bertin Technologies S.A.S • Parc d'Activités du Pas du Lac • 10 bis, avenue Ampère, 78180 Montigny Le Bretonneux, France
www.bertin-technologies.com