

SafeGate Radiation Detection

Product Code: 2010-10



WESTMINSTER
GROUP PLC



Key Features



24hrs battery life



0.8 plastic scintillation detector volume



50keV-2Mev measuring range

Features

- Covert monitoring of people
- Easily portable (battery operated and wireless communication)
- Thanks to the demarcation tapes, people can be directed to pass near the column with the detector
- Within the SW, data from multiple devices can be displayed at the same time

Overview

It is a common safety barrier (typically used at airports or mass events, where it is necessary to direct a crowd of people) with built-in electronics and a plastic scintillation detector.

Thanks to this, it is possible to covertly monitor passing people and their luggage, and thus detect possible illegal transport of radioactive materials. The measuring barriers can be combined with ordinary ones (without built-in electronics) and create a corridor with the help of delimiting tapes- this is how the ideal geometry for measurement is achieved. Thanks to the use of batteries and wireless data transmission, the corridor can be easily adjusted as needed.

Specifications

Product Description

- Hidden placement of the detector and electronics in the demarcation barrier
- Plastic scintillation detector with a volume of 0.8
- Battery life of up to 24 h
- Power supply/recharge using an adapter
- The delivery includes the entire defining barrier with built-in electronics/detector + SW Supplied charging base USB 5V/min. 1A

Product Applications

- Covert monitoring of people at airports, offices, mass events, or places where there is a risk of illegal transport/abuse of radioactive material



Technical Specifications

- **Power supply:**
Wireless charging Qi standard
– WPC-1.1.2 (up to 5W)
- **Battery:**
2 x Li-Ion 3.6V/3000mAh
- **Detector:**
Plastic scintillation detector
500 x 40 x 40 mm
- **Measuring range:**
50 keV – 2 MeV
- **MDA:**
Am-241 ~ 3,7 MBq @ 1 m
Cs-137 ~ 300 kBq @ 1 m
Co-60 ~ 150 kBq @ 1 m
- **Communication interface:**
Wi-Fi
- **Alarm:**
Audiovisual in SW
- **Dimensions:**
330 mm (base) x 970 mm
- **Operating temperature:**
–30 to +55 °C
- **Degree of protection:**
IP40
- **SW:**
SW APA tool for visualization of measured data

