



# MOBILE DETECTION SYSTEM PM6100

PM6100 is an integrated mobile detection solution for establishment of temporary radiation control posts to prevent illicit trafficking of radioactive sources and nuclear materials, including special nuclear materials (like  $^{238}\text{U}$ ,  $^{235}\text{U}$  and  $^{239}\text{Pu}$ ).

Primary designation of PM6100 is automatic monitoring of radioactive sources and nuclear materials in moving or static objects such as vehicles, pedestrians and cargoes. The system is mounted on the chassis of a van and composed of driver, operator and technical compartments.

## Features

- High sensitivity to detect gamma and neutron radiation
- Advanced data processing algorithms
- Built-in video surveillance system
- Complete mobile office
- Additional ventilation, climate control and heating in the operators compartment
- Radiation environment control and operation of the entire system without leaving operator compartment

## Monitored Objects

- Vehicles
- Pedestrians
- Luggage

## Functions



Detection, search, localization and identification of gamma and neutron radiation sources and nuclear materials



Visual and audible alarms



Registration, recording and storage of incident data

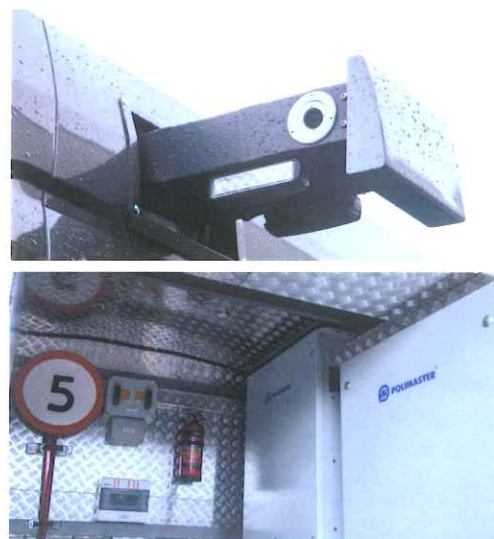


Alarm Report based on the data of radiation portal monitors, video surveillance system, measurement and identification results





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## Radiation Detection Equipment

### Alarm

Mobile Radiation Portal Monitor PM5200 (with sliding camera and spotlights, and presence detector)

PM6100 Minimum detectable activity of radioactive and nuclear materials

Parameters survey zones, L x H, m	$^{57}\text{Co}$ , kBq	$^{137}\text{Cs}$ , kBq	$^{60}\text{Co}$ , kBq	$^{133}\text{Ba}$ , kBq
3 x 2.5	630	530	290	390
1.5 x 2.5	250	210	115	155

### Search and Localization

Personal Radiation Detector PM1703 series



### Search, Localization and Identification

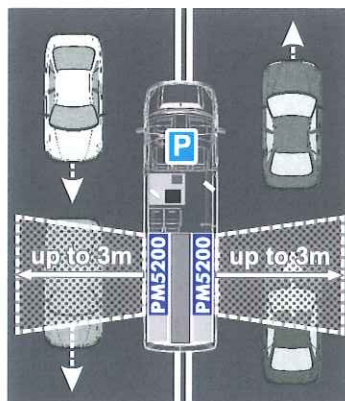
Multipurpose Hand-Held Radiation Monitor/Identifier PM1401K-3



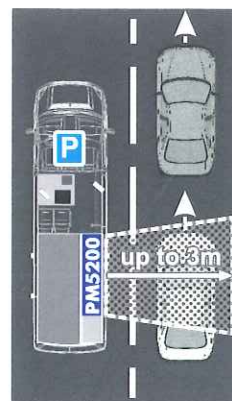
## Accessories

- Protected notebook – 2 pcs.
- Multi-function printer
- Wireless network
- Safety vest – 3 pcs.
- Speed sign (5km/h)
- Traffic cone – 6 pcs.
- Traffic control device – 2 pcs.
- Fire extinguisher – 3 pcs.
- Portable generator
- Electrocable 50 m

## Modes of detection



for moving objects



for static objects

Design and specifications of the system can be changed without further notice.

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